

attcaaacag	agccttataa	agtacatgga	aactcaaaga	agttacacag	ccttggtgta	840
agcaaaactgc	ctaaaaggag	ccttaaatcaa	aacacaactg	tgtgttttat	tttgtattca	900
gttgtttctc	agattgataa	ttctgtggct	ttgcatactg	cacagcatgt	gcaatttggt	960
ttgttgctta	ctcttttagta	tgtgcaattt	attctgcagt	ttgctgttta	ttatacccaa	1020
aaagttaatg	atatttttga	gaacagttat	tagactagaa	cgcaagactc	ctaggttata	1080
gttacagatc	ccagttatta	tttactcact	atcatttagt	gggtgaatca	cagtaatttc	1140
cctgtaaaat	gtggtacctg	aagtcataatt	tgagattcta	tgaaatgttt	aaatctgaac	1200
atcactccaa	ttattaatga	accaaatacat	acgataagtt	actgttttgca	ttgaaatata	1260
atatcaaagc	cttttgaaat	ctgtaaacat	aaaattcctc	tcatitttcaa	atatctaaag	1320
ccagttttat	gttcctaaaa	tctcatitttc	ttcttttctag	tactactatt	tctattgaat	1380
ataatgaaaa	tggcaataaa	ataatattac	ataaactgta	aaaaaaaaa		1429

<210> 4309

<211> 1296

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1295)...(1022)

<223> similar to gi6017904 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4309

tttcatgact	ttaaaaaaaa	actccaaaac	aattaagcta	tttttattta	acatgtaata	60
gtcataaagc	aactccatat	athtagtttt	ctgatatacct	aatgtatttc	cacaaacctt	120
ttaagtctac	aattttatat	agttttccat	caggagggca	agatatatat	aatttctttt	180
tatatttaac	taaagggttt	aagagggtct	agtctctaaa	tcagtaacaa	ttagtcataa	240
caccatacaa	acacatttaa	atattcgaga	aagagggtgt	taagattatt	gcttagtctt	300
ataaaatggt	gaattttaac	caaattgata	cctctgtaat	cttatttatg	tttcctataa	360
catcatactg	cttggcaagt	aatgtaagtt	ttgacataat	ttaaaaattc	aagtagttgt	420
aaacaaattc	taatttggtta	aacaattcat	atattcccct	ttagttacta	tactacctca	480
gaattaatcc	tccttaaaaa	agtaatcatc	ccacatagaa	aaaactgcag	agcttcatct	540
cttccttaaa	tattttcaag	tactgtaaga	acacaaatcc	atgaaaaaac	tgattaaaat	600
ttgacatttc	atcttgcttt	actaattatg	gaataatata	aaaacataaa	aaaaatgttc	660
cttaatat	ctttgcttaa	cagagaaata	caaagaaata	ctgcaattat	ggttatgggc	720
tactttccag	cctcttcaag	tataggacac	aactatggtt	cctaccagta	gggagaaatg	780
aataatcaat	cttacataac	acaaaagaaa	gatgagaggc	acaaaaagac	aaactgactt	840
tggcttttaa	gaacctaatg	ttaaccctga	aatgccacat	tcagtaacac	aacaacaaaa	900
caaaagatta	cagcagcaag	ccaccacttc	acacagtatt	aaaaattcgg	aaataatgta	960
atagccttcc	ttccatctcc	cactcaatct	gttgtgtcat	ctttttgttt	ttcctgcttt	1020
ttagctgcag	gcagttcaag	gcttgcccac	tgcatcggtt	cagcttttct	catagtgatt	1080
tcaatctttg	ttgcagtcac	agttacataa	cttcgcttta	catcaatcac	accccataat	1140
ttcacatttt	gatcaaattc	cttctctcct	tcaaatacaa	tatgcacatt	taacaatgtg	1200
ctatttgctt	ctactcggct	aagttctgga	agtgaagttt	tagcatatac	tgaaatggta	1260
acttcacctc	cagtctgatg	ccagtcacgt	ctaccc			1296

<210> 4310
 <211> 2047
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (249)...(1543)
 <223> similar to gi2829884 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

09486736.04100

```

<400> 4310
tgcggcgcgc gccgcggcgg ggagcgcgct tccgcgcagc tgggatctat ttggatgcgc      60
aggcaggagg aggaggccgt gggcgacggc gatggcgacg gggacgcgga ctcggaaggc      120
gaggacgacc cggggcactg ggacgcggac gctgccgaag ccgccaccgc cttcggggcc      180
agtggcgggg gccgcccgc ccccccggtc gctggctgcc gaggagatcc gacagatgct      240
acagggcaag gccgctggcc gacacgatgc gtccctgacac gctgcaggat tacttcgggc      300
agagcaaggc cgtggggccag gataccctgc tgcgctcgct cctggagacc aacgaaatcc      360
cctcgcttat cctgtggggg ccgcggggct gcggcaagac cactctggct cacatcatag      420
ccagcaacag caagaaacat agcataaggc ttgtgacatt atctgcaaca aatgccaaaga      480
caaatgatgt gcgagatgtc ataaaacaag ctcaaatga aaagagcttt ttcaaaagga      540
aaaccatcct ttttattgat gagattcatc ggttcaataa atctcagcag gacactttcc      600
ttcctcacgt ggaatgtggg acgatcactc tgattggggc aaccactgaa aacccttcc      660
tccaggtcaa cgctgctctt ctgagccgct gtcgagtgat tgttcttgag aagcttccag      720
tagaggcaat ggtgactatt ttaatgcgag cgatcaactc cctgggaatc cagctectag      780
actctagccg tcccactgac cctctgagcc acagcagcaa cagcagctca gagcccgcga      840
tgttcataga ggataaagca gtagacacc tggcttacct cagtgcaggc gacgcccag      900
ctgggttgaa cggactgcag ctggcggtgc tggctagggt aagctctagg aagatgttct      960
gtaagaagag tgggcaatcc tattctccca gtagagttct gatcacagag aatgacgtga     1020
aggaggccct acagcgatcc cacattttat atgaccgggc aggtgaggag cattacaact     1080
gcatctccgc cctgcacaag tccatgcggg gctcagacca gaacgcctcc ctctactggc     1140
tggctcgcat gctcgaggga ggagaggacc cactctacgt ggcacggagg cttgtcagg      1200
ttgccagcga ggacataggt ctggcagacc cgtctgcgtt aacacaagcg gttgctgcct     1260
accaaggctg tcattttata ggcatgcctg aatgtgaggt gcttctggcc cagtgtgtgg      1320
tctactttgc cagagcccca aagtccattg aggtgtacag cgcctacaac aacgtcaaag     1380
cctgcctgag gaaccaccag gggccactgc ccccctgcc cctgcacctg aggaacgcgc     1440
ccactaggct gatgaaggat ttgggctatg gcaaaggcta caagtacaac cccatgtaca     1500
gcgagcctgt ggatcaggag tacctgcctg aagagttgag ggggtagat ttcttcaagc     1560
agaggagggt ctgactcctc agggcacgac agcagaagga tgttgctttt ttaaggagg      1620
gccagaaaga aagttagtgg attgcaaagt tggttgcctg gtggaagtta gaacagacca     1680
acattttgtg ccagaaatth aagagttcca taggtggagg cgcagttctt tcgaataaat     1740
gtgtaacttt gaaatttgtt tcatttgcac tcggtgccag cggttatgct tatgaaaata     1800
cctggcagct ttgtgcaatg aattaatggt ataaggaatt atctatthttg tcatagtatt     1860
taagtcataa tgtcatttca gaattcagtt ctgtaggatt ttcttttctt taaaaaatgt     1920
atattctggg tagttttaat tggtaaaaaa atgtaattgt gatttaatac tgcatagtgt     1980
tttgggtatt ttttttatat gcaaaggctt tacgagccaa taaaactatt tcaaagtaaa     2040
aaaaaaa
2047
  
```

<210> 4311

<211> 2319
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (2235)...(1431)
 <223> similar to gi3168911 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4311

ttttgtgtgc	aatacaaaata	aaattttttat	atattttttt	tattcctaca	gagaagaaga	60
aacacattcg	tacaagggtt	catttcccag	tggttaaatg	tactgagaaa	aatacattta	120
acaaagtaac	tcaaggatac	aactgctgtg	aattcaaaag	acagactact	acaggaaaag	180
tgagtgcact	tactttcata	ttttgcagct	gttaatagaa	gtcttaaaca	tttaaaat	240
aactaattca	cacaacctcc	accaagtatc	agtaaataaa	cttctaaaca	ataaaaaatg	300
ataaacatgg	tcaggttggt	agggttaagag	ctaaaaat	cattttgctt	ccatgggtgc	360
aacatgagt	cttaaggcct	tcaaagcata	aacatcacag	aacacctatc	acaaaccaca	420
aaccaaccac	aggaaaaccc	tttttatact	gtgtatcttc	tgtatttcat	taaacctaat	480
aagccatcag	ttgtaagatg	catcctaatt	cagagatgtc	acaaagtga	ataagtatct	540
ctggatcaat	aaaatatggt	atgtatatat	acccgagata	tgagaggaaa	ctattttacca	600
gtttgaatta	cttccatact	attgtgccaa	acaacaatta	agtgtcaaaa	cattgaaatt	660
ttatgtagg	aagcttttta	ttattgtttt	ctttacagga	acaataatcc	aaacaaatct	720
tgaaccaatc	tataaacaga	aaacctgtta	tataaattat	tatctatttt	tgcaatacat	780
caaaatactg	tattgatgaa	aataaataga	taacaaaaac	caatattaca	ttcattttcta	840
tgtttgctat	cagaccccc	aagtatgttt	gttttttaca	ttcattatag	gtgaaaaaca	900
aactgaaaca	caacaggtac	gtacaattac	gccactgtta	aggactgcag	attacacgtg	960
ttaaagcttt	tcttaataaa	atgggaacac	attgctagg	acacagaaac	atgattttgc	1020
cctaaagaac	agctgaactg	ttgagagaag	caagggcttc	ctagcggcct	tccagtgtag	1080
cagataatat	taccctgtgt	aacagagtat	tacagagttt	tgcatTTTTcc	aagtctgtaa	1140
gtctaaccat	aaacaaaaca	aagacaaacc	caaacattaa	gatatactga	caatcttggt	1200
cccatatatg	atagaatagt	tctcatacac	tgtaagatt	gatttacttt	tttattagga	1260
gcacttctca	ggtttttggc	atttcacatg	tctacactca	gtgtccattg	gctccttctg	1320
agagtatcct	tgaagggtcg	gtaaattttg	cagtgaacaa	gtaaaaaagg	gctggtgtag	1380
gtaccaaagc	caaaaggggc	aaatcttgct	caagtttatc	cactctggaa	atggagatta	1440
ttccataggc	atgaagtaac	cagtggctga	agagaacaat	aagtcttttc	tttctgacca	1500
gaagatcata	gcagttctct	atttcagaag	cagacatgta	cacagccaga	gtaaccaaag	1560
ataacactaa	tataatgtat	gggaaggcgt	aatataaaa	gcctccacca	actgcctgaa	1620
gcacgggtta	aattgggaag	aagtaaagt	cagcataaat	actttttaa	cgatcagatt	1680
tccctaacc	acatgcaatc	ttcttcacca	gaagaggctg	gagcagcatc	attaatacca	1740
agcagaatgc	gtaatagata	aatacaatgg	tatatagtgg	gtagacggct	tcatgagtac	1800
agtgtactgt	ggtaacgtaa	tctggacttg	ggttgtaaag	catcgtgtac	cagtcagaaa	1860
gcatcaatac	tcgacatgaa	cgaatataaa	gaacaccaac	tgatcactc	acaagtaagg	1920
tgataatagc	tgccatgctg	cattcaaata	atgcagtgat	gtgttgga	agtgcgctgg	1980
aactcttttt	ccccgagtag	cattcaatga	agaaccaatg	taaaaccaga	ggaagcattg	2040
ccataaatcc	aagatagagc	caatcataaa	gttcaggaga	ttctgtgcaa	ggctgacaat	2100
atctctgtgc	attcgttctc	tgtcctcttg	ggcatacccc	acattctcca	tatatttcag	2160
ttgagccatt	tttaataaat	agggtcttcc	cacaataaag	tccaaggcat	gctggttgaa	2220
tatcgacagc	catgggccgc	ctgaagggtt	ttttcgagaa	gcgctagatc	agcggatctg	2280
gcagctgcac	cgaacatccg	ggccacagcg	agctcggcg			2319

09493735.01400

<210> 4312
 <211> 1703
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (110)...(1015)
 <223> similar to gi4589524 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4312

aatgagcgca	ctcatcgacc	actactcgaa	ttccgcgctg	acccacgcgt	ccgtggacgc	60
gtgggcttgg	ctgtgctgta	tgatgggatc	tgggcttctg	tgttgaggtc	agtcttcact	120
gggtccaatg	gaggatggat	tcttggatga	tggccgtggg	gatcagcctc	ttcatagtgg	180
cctgggttca	cctcactgct	tcagtcacca	caatggggaa	agagtggaaac	gatatttctcg	240
aaaggtgttt	gtaggcggat	tgccctccaga	cattgatgaa	gatgagatca	cagctagtgtt	300
tcgtcgcttt	ggccctctga	ttgtggattg	gcctcataaa	gctgagagca	aatcctatgtt	360
tcctcctaaa	ggctatgcat	tcctgctgtt	tcaagatgaa	agctctgtgc	aggctctcat	420
tgatgcatgc	attgaagaag	atggaaaact	ctacctttgt	gtatcaagtc	ccactatcaa	480
ggataagcca	gtccagattc	ggccttggaa	tctcagtgc	agtgcactttg	tgatggatgg	540
ttcacagcca	cttgacccac	gaaaaactat	atttgttggg	ggtgttcctc	gaccattacg	600
agctgtggag	cttgcgatga	taatggatcg	gctatatgga	ggtgtgtgct	acgctgggat	660
tgataccgac	cctgagctaa	aatacccaaa	aggagctggg	agagttgcgt	tctctaataca	720
acagagttac	atagctgcta	tcagtgcctg	ctttgttcag	ctgcagcatg	gagagataga	780
taaacgggtg	gaagttaagc	catatgtcct	ggatgatcag	ctgtgtgatg	aatgtcaggg	840
ggcccgttgt	gggggggaaat	ttgctccatt	tttctgtgct	aatgttacct	gtctgcagta	900
ttactgtgaa	tattgctggg	ctgctatcca	ttctcgctgt	ggcagggaat	tccacaagcc	960
cctggtgaag	gaaggcgggtg	accgccctcg	gcatatttca	ttccgetgga	actaaaggat	1020
aactgcagtg	ctcattttca	ggcctcagaa	taagtgcact	cttctgttca	ttctgacccc	1080
ttcctcaacc	tcttcacgct	ggcatgtcct	tttgtagcag	tctgtaactt	aactatagta	1140
taatgaaaag	aatgacctat	aatataggtg	ttttgtagat	tcttgtgtca	ctgcaaacaa	1200
tatgaactcc	tttttcgtat	tgccatcggtg	ttgcatggaa	gtttttattct	cttgtttttgc	1260
tggaaaccaa	gaggatccaa	acttcctgca	acattttctt	agaggagaga	gagaaatatt	1320
aaaagagaaa	tgaacaata	gagtattttg	ggtttttaat	taaattattg	ttaataatat	1380
aacatataag	aatactttta	ttaaaataac	catgcaacaa	taacactatc	ggtctatttg	1440
acagtttttc	ccccagggaa	gtgctttttg	cttttccttt	ctttttatgt	tactcttctc	1500
atcttttttg	tctctctctt	ttttccatcc	cttttttaatt	tttttaacag	caatggagga	1560
agttaacaat	ttttaatgga	aagagcatgt	tagagcaaac	aaatgcataa	gcaagactga	1620
gcagcattat	aattaatttt	cagggttttg	aggctgaaca	taattttcatt	atccctcaaa	1680
aagttaccac	cacatcagaa	aaa				1703

<210> 4313
 <211> 2071
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (2000)...(1156)
 <223> similar to gi3789797 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4313

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agtagttggg	tttgtaaaag	atthattgat	cacataaaag	caatgaatag	gagatgacat	180
atatctaact	catgattaca	aaacttttag	agacaactag	gttaaataatt	tcatgttttg	240
gctaaggga	aagaattcat	gatctcgtaa	aagaagttca	aagtcaacac	tgatattgta	300
caactaccag	tgcttttcta	atgatctaga	aatttgctat	aaatagcttt	actttttgct	360
agttaatcac	ttactatgat	tgggttttat	ttaacagtga	ggactaaaga	ggcagaatcc	420
ttttttaacc	actggataaa	acagagacat	aaattaatga	tgggtgctaa	gctttacatt	480
ttatgttaaa	aagatggaat	atatttaagt	ggattgaata	tatttcatga	ggagttggac	540
atattaaacc	cccaaatctg	tttaggaagt	tttgtagaaa	agtgtgtata	tgcttgact	600
cactctggct	tactttttaa	atggaataca	tttggcacta	aataaaataa	atagacaagc	660
aaactgtgag	actaagctgc	tccatctgag	ttgccatct	tgacttaca	ttcactactat	720
ttcttagttc	ttgactgagc	acaaacagac	ctaaccgtat	agcacttctg	tgatgcatga	780
aaatagaatc	tagagctaag	atactgcgct	tcactgatga	gccaatcttc	tattctgccca	840
aatcatagt	tacaaatgtg	aaattcattc	aagaaattca	catttttaac	aatgcttat	900
actttttcaa	gtttttcttg	tagatatgtt	cttggttttg	tggccagcta	aaatatgatc	960
tttgaattaa	ggaaatccat	ataaaagaaa	catctatttt	ataggaacct	catttcactt	1020
gaaactttct	ttaccaaaa	accaaaccac	aactttgtca	ccaaactcct	ggaacaaagc	1080
actggtggct	atatttcaga	gtctgaagtc	cactcatttt	tcatgtttca	aggttctctt	1140
catttgctcc	acaagtatcg	acaacacaaa	ttaaacaact	tgtgactgga	aaagcacgaa	1200
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gaccaacacc	ctgaaaacca	gccaagacat	aaactataga	gccaactgct	gcacatttca	1320
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aatattccac	attgtccaga	ccacctaaac	cattctgacc	acccacagca	aatatcttgt	1440
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tatccttcac	tacattatag	cagtccattc	gctttatttg	gaaaagctga	gagcctccca	1860
aatgtatac	tacattgtcc	caaaacacgc	atgctgcata	tcttcgtttt	tcaaaggggc	1920
agcggtatgt	tgtccagcta	taatcctttg	gggttaaaata	tctacaagac	tgtgggttgag	1980
agcctccaaa	tagggctatg	cggtagtcac	gtttctttct	tctaggtctt	gtgccaatcta	2040
caagttcttc	tcggtcatct	ggagacagta	g			2071

<210> 4314

<211> 1797

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (26)...(1040)

<223> similar to gi5689453 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4314

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gcgatatgaa ctcatgtctg atgtcaacaa gcccattcatt gctgtctttg agaaacaacg 120
agacttcaaa aaattgtcag atctctacta cgacattcat cggtcataatc tgaaagtggc 180
agagggtgtg aattcggaga agcggctgtt tggctgctac tatcgtgtgg cattttatgg 240
gcagggtctt tttgaagaag aagaaggtaa agagtataat tataaagagc ctaagctgac 300
aggtctgtcc gagatttccc aaagattact caagctctat gcagataaat ttggagcaga 360
caatgtgaag ataatccagg attccaacaa ggtaaaccac aaggatttgg accccaaata 420
tgcctacatc cagggtgacct atgtgacgcc gttctttgag gaaaaggaaa tcgaagaccg 480
gaagacagat ttcgaaatgc accacaacat caaccgcttt gtcttcgaga cacccttcac 540
gctgtcgggc aagaagcacg gtgggggtggc ggagcagtgc aagcggcgga cgatcctgac 600
aacgagtcac ctgttccccct acgtgaagaa gagaatacaa gtaattagcc aatcgagcac 660
agaactgaat ccaattgaag tggcaattga cgagatgtcc aagaaggttt ctgagcttaa 720
tcagctttgc acaatggaag aagtggacat gatcagactg cagctcaaac tgcaaggaag 780
tgtcagcgtg aagggttaat ctggggccaaat ggcctatgca cgagcttttc ttgaagaaac 840
caatgcaaag aagtaccctg acaaccaagt aaagcttttg aaggagatct tcaggcaatt 900
tgcagatgca tgtgggcagg cccttgacgt gaatgagcgc ctcatcaaag aggaccagct 960
ggagtaccag gaagaactga ggtcccaact caaggacatg ctacgcgaac tctccacagt 1020
catgaatgag cagattacgg gcagggacga cctgtcaaag cgcggagtgg accaaacctg 1080
cactcgagta attagcaaag caactccggc cctaccacag gtctccatct catctagtgc 1140
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attttttttt tctttgagca gtgttgatca agccaagtgt aatatttgcc atgaaattcc 1380
agtgaatgtg tagctcaaat gcaaacccta agtttgctgt ccagttattg tatggtccag 1440
taccocagtc ctagtacaca tattttaaag gttaaagtga atgtttttgt aacatttaag 1500
ccatatttcc agatgtaaat aaaagattgt aaaatatacg gtttttacc aaatttaaaa 1560
gatccttttt agttaatact atgacagtac taaaaatata tgaataacat ttcagatacc 1620
attatattaa aatatttgtg tatgtgtacg aaaagcgttg ataaataact atcttttaag 1680
tttgtggagt tcctttattt gtaatatatg tgctcttaaa agcaatggga tgtgaaatta 1740
tgaaagtatt ttattgttca tagaaataaa aaacacagtt actttgcaaa aaaaaaa 1798
```

<210> 4315

<211> 2514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(1880)

<223> similar to gi5281314 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4315

```
tgaacagatg ggtgatcata aaatggccat ggatgggttat aggcgtattt taaacctttt 60
```

gtctccatct	gatggcgaac	gttttatgca	gctggctaga	gatatggcaa	agagttacta	120
tgaagccaat	gatgttactt	ctgctattaa	cataattgat	gaagctttct	caaaacacca	180
gggcctagtc	tccatggaag	atgttaacat	agcagctgaa	ctatataatt	ctaacaaaca	240
gtatgacaaa	gctttggaga	taattacaga	tttttctgga	attgtgctgg	aaaaaaaaac	300
ttcagaagaa	ggcacctcag	aagagaataa	agctcctgag	aatgttacct	gcactatacc	360
tgatggcgtg	ccaatagata	tcacagtga	gttgatggtc	tgccctgtac	atctcaacat	420
tcttgaacca	cttaatcctc	tcttgacaac	actagtagaa	cagaatcctg	aagatatggg	480
agacctatac	ctagatgttg	ctgaagcttt	tctggatgtt	ggtgaatata	attctgcaact	540
tcccctcctc	agtgtctctg	tttgctctga	aagatacaac	cttgcaagtag	tttggcttcg	600
tcatgcagaa	tgtttaaagg	ccttaggcta	tatggagcga	gctgctgaaa	gctatggcaa	660
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ttcagaatta	cctaacaaac	agtgtattta	tttttaatat	gtgataatga	tcttgtggta	2040
tatatgcaaa	attattccta	caaaaatttg	tatatgtgtc	tgatcatttc	ctttcacatt	2100
ctatagtga	ttgttcccaa	tgttgaaatg	gacgtgtaag	cctttgagct	agcttggagt	2160
cgaatacact	atctttcact	cacaccattt	attcatcttt	gtatttaata	cctatagctc	2220
tgtcaatatc	acatgaggca	gtttttcaaa	tacgtataaa	cagagggtgc	ttattattaa	2280
aggaaagaca	aagtgggact	ctttatgatg	tcatgacca	tgataactaa	gcacctaaga	2340
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tcaccagcat	gtatcttagc	tacctaaact	gaaacatggg	aggctgggct	taattcaaaa	2460
tatattgctc	caaggcaaat	aaaaaaatgc	tttatctaaa	agtcgacgcg	gccg	2514

<210> 4316

<211> 1551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1305)

<223> similar to gi498727 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4316
gtggaagggc cttcatacat gcttcccatc ttcaggaaca tcagagaatt catactgggg 60
agaaaccatt caaatgtgat acatgtggta agaacttccg tcgtagatca gcacttaata 120
atcattgcat ggtccacaca ggagagaaac catacaaatg tgaggactgt ggtaagtgtt 180
tcacttgtag ctcaaacctt cgtatccatc aaaggggtcca cacaggagag aaaccttaca 240
agtgtgaaga atgtggtaag tgctttattc agccttcaca atttcaggcc catcggagaa 300
tccacactgg agagaaacca tacgtatgta aagtgtgtgg taagggtttc atttacagtt 360
caagttttca ggcccatcag ggagtccaca ctggagagaa gccatacaaa tgcaatgagt 420
gtgggaagag cttcagaatg aaaattcatt atcaagtgc tctggtagtc cacacagggg 480
aaaaacccta taaatgtgaa gtatgtggta aagccttccg tcagagttca tatcttaaaa 540
tccatctgaa agcacatagt gtacagaaac cttttaagtg tgaggagtgt gggcagggct 600
tcaatcagag ctacagactt cagattcacc agctgatcca taccggtgag aaaccataca 660
aatgtgaaga gtgcggaaag ggatttagtc gtaaagcaga tcttaaaaatt cattgtagga 720
tccacacagg ggagaaacca tataattgtg aggagtgtgg gaaggctctc agtcaggcct 780
cgcattcttct aaccatcag agagttcaca gtggggaaaa accatttaaa tgtgaagagt 840
gtgggaagag cttcagtcgg agtgcacacc ttcaagccca tcaaaaagtc cacactggag 900
aaaagccata caaatgtggg gagtgtggaa agggcttcaa gtggagcttg aaccttgaca 960
tgcattcagag ggtgcacaca ggagaaaaac cctatacatg tggggagtgt gggaagcact 1020
tcagtcaggc ctcaagtctc caacttcatt agagtgtcca cacaggagag aaaccataca 1080
aatgtgatgt atgtggtaaa gtcttcagtc ggtcttcaca attacagtat cataggcgag 1140
ttcactctgg ggaaaaacct taaaaatgtg agatatgtgg taagagggttc agctggcgat 1200
caaatcttgt aagtcattcac aaaattcatt ctgctgggtac attttatgaa aatgatgaga 1260
atagtaagaa catcagagag ttgtcagagg gaggaagttc tacaagggtga ttaaaaaaaaa 1320
aaaaaccaa cctcttgtcc accctgaagg cttgaaatta aatttcataag gggggaaaaaa 1380
ttttttttat cacccttttt gaattttatt gattggaaac gctccacatt tccccctaaa 1440
cttttttttg tttttaattt ttggtttgga aacaaaatct ctttttggtg cccatgctgg 1500
aggcaggggg gctattttaag ttcactgaaa cctccatttc ccgggttaag a 1551

```

```

<210> 4317
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (137)...(400)
<223> similar to gi4103857 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4317
cgaacccgga agtgagatgc aaggcggcga ttttcccttc tgtcagatct tgatgaacaa 60
agcagtcata attcatctct agaaagattt atatcctggc atttgaaatg ctttttattt 120
agaatagtag taaaaaatgg aaaaagaaaa aggaaatgat gatggaatac cagaccaaga 180
gaattccttg gatttttctg aacactttta ccaacttgaa ttgttggaac cacatggaca 240
ccttattcct actggtactc aaagtctttg ggtaggcaat tctgatgaag atgaggagca 300
agatgacaaa aatgaagagt ggtatcgatt gcaagaaaaa aaaatggaaa aagacccaag 360
cagattgctt ctttgggctg ctgaaaaaaa tcgggtaaaa aaaaaatta cagagggaag 420

```

tgtgacagta ggaaaagcac tgggttcaag ccaaaaagacc tgcctttact gttatggcca 480
tcatacctat ctct 494

<210> 4318
<211> 1877
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1877)...(630)
<223> similar to gil83002 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4318
aaggggttggc ggggggttggg ggtgggggtgg cgttatttggg ttctgggttta tattgttcca 60
caaggatcac acaacctaga tcttttgcac gcacagttca caataggggtt ccactcctg 120
tgagaatcta atgtcactgc tgatctgaca ggaggtggag ctgaggctgt aatgctcact 180
tacctgctgc tcacctcctg ctgtgtggcc gggttcctaa gaggccacag atcagagcta 240
gtctatggcc tgaggggttg gaagccctgc tctaggtaac ataatccct tatgagaaat 300
tagacagatg acattgagat gcaagggaaa gcatctcctg atgaaacct cccaatatca 360
cgcataaatg aaggcagtga tacaatgtcc cttatacaat ttataatctc ttaaaggaag 420
caataaacat ttaaactatt ggactactgg gatgtacatt ttaccagata ccagcatcat 480
aatcttataa ctctatatga aagtttgaaa aaataattat aaagtttatt taaatgttga 540
ttgtcccaag gtctacagtt tcttttctgt tgtgtcatca gtgacaaaga gtaaaaaaag 600
gaaactccca tatttagcac tttagagtaa aacacatgga tcatcggtat taacagtcct 660
ctgggcgtgc tggagctcac tgagaaggct tctattttga gcttggaatg ttgtgctgag 720
ctgtgcagcc tgttcctgca tctgttgttc ctgcattttc tgttgctctg ccagccaatt 780
ttgtttggct atctccattt gtctcacttg ttctgatgg agtctctccc tctcctgcat 840
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gaagagatta tggcctcctg gcttagaata aattccctgc ttcactgctt cttctagagg 1140
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gactgcattc tctatgcaag gcagatcccc actgctgatg gcattgacat aggtcagcac 1500
caggttcttt agacgagatc cattgacct gatgccacct ggaagagtct tggctataga 1560
atggctaaag atgtaggaac agaattctgt cacttggtgc acaaattcag gctctagctc 1620
atcatcaggc agtgtttcaa gttgggcaag ctttttttgg tgagcaggta agtcaaagat 1680
aaagcatttc ttttttggaa agaacttctg tatacacaga cggggcaaat tgaaattttg 1740
aactctttga tcaactacct gctttggcct tagggaattc tccaggtatt catctggtgt 1800
gacaagttgc ccactatatt ccaggcctaa gcagaaatct ctgagagtc acactaagtc 1860
tggaagaag ctgcag 1877

<210> 4319
 <211> 4157
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(3465)
 <223> similar to gi5689521 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4319

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caggcgggtc	gcggggcgcc	catggcgag	tgcgccggg	ggggcgccgc	cggcggggcc	120
ctgcccacct	ccccggggcc	ggccctcggc	gccaagggcg	ccctgaaagc	cggagtgggg	180
gaaggcgggtg	gcgggggagg	tcgcctcggc	cacgggcggg	cgcgctatga	cagcggcggg	240
gtttccaacg	gagactgcag	cctcggcgtg	tccggggacg	aagcccgggc	tagccctacc	300
aggggacccc	gcggcggttg	gctcgccccg	acccccagcg	cggtcgtctg	taccctcccc	360
cgggagagca	agccggggcg	cctgccccgc	cggagcagca	tcatcaagga	tggtaaaaa	420
cagaagaggg	aacggaaaaa	gacagtctca	ttcagcagca	tgccaacaga	gaagaagatc	480
agcagtgcaa	gtgattgtat	taattcaatg	gttgagggtt	cagaactcaa	aaaggttcgc	540
tccaactcta	gaatttatca	taggtacttt	ttactggatg	ctgacatgca	gagcctaagg	600
tgggagccat	ctaagaagga	ttctgagaaa	gccaagattg	acattaaatc	catcaaggaa	660
gtgagaacag	gaaaaaacac	agacatattc	cgcagcaatg	gcattttctga	ccagatatct	720
gaagattgtg	cgttttccgt	catatatgga	gagaattatg	agtcactgga	tttggttgcc	780
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gcacatataa	atgaggaaat	aagccttgaa	attattcaca	aatatgaacc	atccaaagag	1260
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cagggtgtcgt	ttcaggttca	gaagtactgg	gaagtctgtt	cctttaatga	agtgccttgcc	2040
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09453723 "03.12.100

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<210> 4320

<211> 5185

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(2560)

<223> similar to gi3327110 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4320

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ctacatcaga	ggctaactgt	tctgccatgt	ttggaaaact	gatgaccata	gcaaagaatt	180
tgcttgaccc	cgggaaagca	caagattttg	tgaagaaatt	taaccagggtt	ctcggcgatg	240
atgagaaact	tcggtctcag	ttggagttat	taattagccc	aacctgttct	tgcaaacaag	300
cagatatttg	tgtgagagaa	atagcccgga	aacttgcaaa	tcctaagcaa	ccaacaaatc	360
cttttctaga	gatggtcaaa	tttctgttgg	aaagaatcgc	acctgtgcac	attgattcag	420

aagccataag	tgcactagt	aaattgatga	ataagtcaat	agaggggaca	gcagatgatg	480
aagaggagg	tgtaagtcca	gatacagcta	tccgttcagg	acttgaactt	cttaaggttc	540
tgtcttttac	acatcctacc	tcgttccact	ctgcagagac	atatgagtcc	ttgttacagt	600
gcctaagaat	ggaggatgac	aaggtagcag	aagctgctat	tcaaattttt	agaaatacag	660
gtcacaaaa	agaaacagac	cttccccaga	tacgatcgac	cttaattccc	attttacatc	720
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aaaaccaaga	aatgcagcat	tataa				5185

<210> 4321

<211> 633

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(389)

<223> similar to gi5824882 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4321

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gaatggaagc	tcagaaggga	gaatcacaca	tggcttccaa	cttaagagcg	cctatgaaaa	180
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ctattccaag	actcatatga	acgtgcttgg	tgtcctgggg	cctttagatc	ctcaatggct	300
ggttgagaac	aacatcactg	ggtgtccaca	ccctcacatc	ccttcagacc	acttctcact	360
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cagttgtaaa	tcaaagtatg	taggagtgaa	gtatggccat	ccttaagctg	cttcttcagg	540
tttctttcat	tatgtggttg	ctgtaagact	ttgtacattt	ttgtgcatat	tggatatcatt	600
tggcagtagg	gctggaacca	aagtattact	ctt			633

<210> 4322
 <211> 1799
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1800)...(1060)
 <223> similar to gil572819 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4322

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agagtttata	ttcattagat	ttattttatc	atttaaaaaa	ttactgcctc	taggttatcc	180
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agccattata	gaatgattta	cacttgggat	gaaattcaac	agtagtaagg	gtgactcttt	300
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aaaattcaac	atactgacaa	ggaagcaaca	taatcacata	gataacgcct	ctgctaattg	420
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agctgacact	gacttgtatg	tttttaaaaa	tggagagaca	atggcaaatt	gtaccttatg	600
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gtaaatacaa	tctctgggct	aacttaaacc	tagaagagtg	agccaagtga	gcactaacaa	720
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tctatctttt	tatctcttgt	cactgtaaca	gctgaagctt	gagactcttg	ctcagtcaat	1740
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<210> 4323
 <211> 3141
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (584)...(1064)
 <223> similar to gi599776 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4323

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ctatagttaa	cataccatca	aaatcaccc	tttgatgtat	acaactcagg	ggtgattagt	180
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caccatgaag	accatgtcca	ctggcagcca	ttcccatgac	ctttccttgt	gagatctcca	300
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gaaaaatatac	ttagcctggg	ccatgccaat	taagtttcct	gctgtgtctg	tttagggcag	3060
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<210> 4324

<211> 2394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1219)

<223> similar to gi2506078 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4324

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gcatacgtag	cagatataac	ccaagagcat	gaaagaagta	tggttatagg	actggtttca	240
gcaacatttg	ctgcaagttt	agtcaccagt	cctgcaattg	gagcttatct	tggacgagta	300
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cccatttcct	gggaacaagc	tgaccctttt	gcgctcctaa	aaaaagtcgg	ccaagattcc	480
atagtctgc	tgatctgcat	tacagtgttt	ctctcctacc	taccggaggc	aggccaatat	540
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ccaatttctc	gccactaagc	tatttgtttt	attatacatc	ctttaattaa	aaactatata	1500
tgtaacttct	tagatattag	caaagtgtct	tgctaccatt	tccttaaggt	gttgagcttt	1560
aactctatgc	tgactcagtg	agacacagta	ggtagtatgg	ttgtggacct	atttgtttta	1620
acattgtaaa	atgttgagtc	agattttaat	attgtaaaat	cttgggtcaa	ataattcaaa	1680
gccttaatgc	agatgcacta	aaacaaagaa	atggtaaatg	aattgtttgc	atttaaaaaa	1740
aaaaactctt	aagaaaactg	tactaaatct	gaatcatgtt	ttgagcttgt	ttgcagtact	1800
tttaaacatt	attcactact	gtttttgaag	tgagaaagta	tcagccattt	agcattttaag	1860

ttgggggtatt	tagagcctgt	aatctaaatg	ctgggtcaaa	tttattcccc	agctacttct	1920
tataccacta	ttcttttaat	gtttgcataa	tcataagcac	ctcaacactt	gaatacataa	1980
tctaaaaatt	atatagtaaa	gctggtagcc	ttgaaaatgt	cagtgtgata	tctattatgt	2040
agataaatat	atatagtggc	ctttcaggac	tgtcacagta	acactttatt	tacagagcta	2100
atgtttgtcc	taaaattttca	ggaccctaga	ggagagcttt	atacaattac	cgatgtgaat	2160
ttctctaaa	tgtatatattt	tgtgtccagt	tatatatttt	aaaaaagtgt	tactttgtaa	2220
aaattgtata	taaagaactg	tatagtttac	actgttttca	tcttgtgtgt	ggttattgct	2280
taatgctttt	taaacttgga	acactcacta	tggttaaata	aaggaattaa	aagaaatgaa	2340
aatattaagt	taataaaagt	aaatatattta	atgatttttt	ttttaaaaaa	aaaa	2394

<210> 4325
 <211> 1391
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1146)...(802)
 <223> similar to gi5824412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4325						
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ttcacagaag	catcgaaagc	aagcaatata	tgtaaaaaat	ttttttttac	taaatcagca	120
taacagacta	aagctgcagc	atctgctttc	atgttacatt	tggcaaaaac	aaaacaaaaa	180
gcacccccaa	acccccaaaa	taacaaaaat	ctcaagcaag	tagagacgat	aaacttcata	240
acacaaaaga	aagattcaaa	acctgttccc	tcagtgattg	gctgttgtca	gtttgggcat	300
gcaggcaaat	ttgttataac	catgatggga	aatgaaaata	ttttaaggaa	tccaggacag	360
tattttctatt	taaccactaa	ttcaaaaacc	aagaagggaag	aaaaaataac	acaaggggac	420
accatacata	cataaacatg	aaaagctagc	ttacataatt	acataattag	aaaagttaaa	480
taatttagta	aaaataaatt	cccagtataa	acccaaaaaa	gcatagctat	aatgcaatc	540
caaaacaacc	aattagtaag	ctgggtcatgt	ttttactgga	aaacaacctt	tctcattttt	600
gttcttacac	aagcaagtaa	ctggagaagc	aggccagagt	gcatacgagg	atttaaacad	660
ggttgtatct	gtggtacttt	agatgcaact	ttaccctggt	catttgaaag	tttaaataga	720
cctgtctgct	acacagactc	ggatgggcca	aataagtcac	ctgatatgct	gctgaatggc	780
tgagagtcta	ttagttggct	tatttcatta	tcaagggtct	cttctgtatc	atctgtgtac	840
ttgcttattt	ttttggagtg	ctgggtctaaa	gacagacttt	ctaaagtttc	tatatcttca	900
atgcctgctc	tgtagtgaat	cataagaagt	gttagagctt	gtagcctttc	acctgattta	960
gctaaggcag	cagaaagaag	tgattttttc	cttgatcag	ttgtctcttt	ttcttctcta	1020
acaagggaat	tattgtgttc	caactcctga	tcaatttcat	tctgtagctt	atccaacatg	1080
aactctagtt	tctggatcct	ttcctctgta	ggcaagcccc	tgtacagatc	acgaccaatt	1140
tctttaactg	caatgaaaac	actgtcatcc	agaccacct	cttttctcac	taactttatt	1200
cctgtgctgt	ttccccgttt	agaaggactg	tttggaaccac	agacctccgt	gtcactgcct	1260
tcgttgtctg	acgtgttggg	tgtgtgtttt	ggtgaagggt	ctacgagatc	ggttcctggt	1320
tcagaaaggc	gagttttaga	gacttgacgc	aaatttaata	aacgagaact	agtattgatc	1380
ccacgcgtcc	g					1391

<210> 4326
 <211> 1025
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (71)...(379)
 <223> similar to gi3355709 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4326
 tggtcggcac cgctccgttt tgccgggtcg acccacgcgt ccgcccacgc gtccgcccac 60
 gcgtccgaca caacttttgg aggaagatgg ggaatcttac tgggtgccgtg cactattcca 120
 attaggcgag agtgaagaac acattgagct tgtggtgctg agctatttgg tgcccctcaa 180
 accatttctt gtaatagtgg ctgaggtgat tcttttagtg gccaccattc tgctttgtga 240
 aaagtacaca caaaagaaaa agaagcactc agatgagggg aaagaatttg agcagattga 300
 acagctgaaa tcagatgata gcaatggtat agaaaataat gtcccagggc atagaaaaaa 360
 tgagtctctg ggccagtgaa tacaaaacat catgtcgaga atcattggaa gatatacaga 420
 gttcgtatatt cagctttgtt tatccttcct gttaagagcc tctgagtttt tagttttaaa 480
 aggatgaaaa gcttatgcaa catgctcagc aggagcttca tcaacgatat atgtcagatc 540
 taaaggtata ttttcattct gtaattatgt tacataaaaag caatgtaaat cagaataaat 600
 atgttagacc agaataaaat taattatatt ctggtcttca aaggacacac agaacagata 660
 tcagcagaat cacttaatac ttcatagaac aaaaatcact caaaacctgt ttataaccaa 720
 agaattcatg aaaaagaaaag cctttgccat ttgtcttaga aagttatttt ttaaaaaaaa 780
 atcatactta ctattagtat ctatggaagt atatgtaaca atttttatgt aaaggtcatc 840
 tttctgtgat agtgaaaaaa tatgtcttta ctaagttgaa atgaatactt tctgcctttg 900
 ctcatgatag ttattctaca atctccacaa gaaaaatata ccttttatcc ggaaatattg 960
 gtttaaggca aataaataaa actgtgcttg ctctaaagct ctgcactaca aaagcaaatt 1020
 ttcca 1025

<210> 4327
 <211> 945
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (947)...(650)
 <223> similar to gil881289 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4327
 tttttttttt ttcactagcc acaaacattt attgttgggg tcaatacgta tatccttttg 60
 agaagtgttt cgagccattc atttgataac tacaaacacg tcagaatctg ttttactggt 120
 atatttttgg cttgcatgac aagggaagag agattattgc aaaattatga atgaagtcca 180

<210> 4329
 <211> 940
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (941)...(298)
 <223> similar to gi190936 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4329
 tttttttttt ttgacgttgg cagtgcacatt tatTTTTtctg ggggagggga gttatatata 60
 gcagtgaccc ggagccctc acccccacca ggcttaggtg gggacaggag gcgttggcag 120
 aaggcacaca gtggcagtag ccagaagag gccaggaagt aaggggtgggt atgtgatgtg 180
 tcctgggaga ccagatgag gaaattgagg ctgagtgagg gcctcagggtc acacagcaag 240
 gtgcgaaggc agctagtccc gagagcttgt ggtggttgct tctctcttgc ctgggctaca 300
 ggaggacgca ggggcagccc ccgcccttct tcctgggggc actgggaggg ctcggtggga 360
 gctcttggtc ctggtatttc cggacagccc gcaccagctg ctcaaaagcc tcgtccacgt 420
 tgagacgcag tttggccgag gcctcaaagt aggccacgtg gtgggagggc ccgaaggcag 480
 aggcttctga tcgggggacc tggcgctgtg actccagatc tgcttctgtc ccgaccaaca 540
 caacggggaa gtcgtcgcgg tccttgaccc gcagaatctg cgtgaagagc ttgcccacct 600
 cggtgaaact ctgccgggtca ttaatggcga acaccagcag gaagccgtgg ccagcacgca 660
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 gggctgggat gccatccaca ctgcagatct tcgtgtagga gtcctcaata gtggggtcgt 780
 agtcagacac gaagtaggac tggatgaact ggatggtcag cgcgctcttg ccacgccgc 840
 cgccgcccac gaccaccagc ttgtgtgtct cgctgggcgg ggggtccccg ggcccagggtc 900
 ccccgccccg gggcgcgccc cgccctgtcc cggacgccgc 940

<210> 4330
 <211> 3821
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(2828)
 <223> similar to gi577295 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4330
 tttcgtcggc agtggcggcg cgtaggaggc ggtcttgggc gtctttggta ctggcttttt 60
 taggggtctg cctggggatt acccttgctg tggatagaag caactttaag acctgtgaag 120
 agagttcttt ctgcaagcga cagagaagca tacggccagg cctctctcca taccgagcct 180

tgctggactc	tctacagctt	ggtcctgatt	ccctcacggt	ccatctgatc	catgagggtca	240
ccaaggtggt	gctgggtgcta	gagcttcagg	ggcttcaaaa	gaacatgact	cggttcagga	300
ttgatgagct	ggagcctcgg	cgaccccgat	accgtgtacc	agatgttttg	gtggctgatc	360
caccaatagc	ccggctttct	gtctctggtc	gtgatgagaa	cagtgtggag	ttaacatgg	420
ctgaggggacc	ctacaagatc	atcttgacag	cacggccatt	ccgccttgac	ctactagagg	480
accgaagtct	tttgcttagt	gtcaatgccc	gaggactctt	ggagtttgag	catcagaggg	540
cccctagggg	ctcgcaagga	tcaaaagacc	cagctgaggg	cgatggggcc	cagcctgagg	600
aaacacccag	ggatggcgac	aagccagagg	agactcaggg	gaaggcagag	aaagatgagc	660
caggagcctg	ggaggagaca	ttcaaaactc	actctgacag	caagccgtat	ggcccccatt	720
ctgtgggttt	ggacttctct	ctgccaggca	tggagcatgt	ctatgggatc	cctgagcatg	780
cagacaacct	gaggctgaag	gtcactgagg	gtggggagcc	atatcgctc	tacaatttgg	840
atgtgttcca	gtatgagctg	tacaacccaa	tggccttgta	tgggtctgtg	cctgtgctcc	900
tggcacacaa	ccctcatcgc	gacttgggca	tcttctggct	caatgctgca	gagacctggg	960
ttgatataatc	ttccaacact	gccgggaaga	ccctgtttgg	gaagatgatg	gactacctgc	1020
agggtctggt	ggagacccca	cagacagatg	ttcgctggat	gtcagagact	ggcatcattg	1080
acgtcttcct	gctgctgggg	ccctccatct	ctgatgtttt	ccggcaatat	gctagtctca	1140
caggaaacca	ggcgttgccc	ccactcttct	ccctcgcta	ccaccagagc	cgttggaact	1200
accgggacga	ggctgatgtg	ctggaagtgg	atcagggtct	tgatgatcac	aacctgccct	1260
gtgatgtcat	ctggctagac	attgaacatg	ctgatggcaa	gcggtatttc	acctgggacc	1320
ccagtcgctt	ccctcagccc	cgcaccatgc	ttgagcgctt	ggcttctaag	aggcggaaagc	1380
tgggtggccat	cgtagacccc	cacatcaagg	tggactccgg	ctaccgagtt	cacgaggagc	1440
tgcggaacct	ggggctgtat	gttaaaaccc	gggatggctc	tgactatgag	ggctggtgct	1500
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tctgtggggc	ggatgtgggt	ggcttcttca	aaaacccaga	gccagagctg	cttgtgcgct	1980
ggtaccagat	gggtgcttac	cagccattct	tccgggcaca	tgcccacttg	gacactgggc	2040
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ttcctgtcat	gaggcccttg	tgggtgcagt	accctcagga	tgtgactacc	ttcaatatag	2220
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gtcgattctc	attctctggc	aacacccctg	tctccagctc	agcagaccct	gaaggacact	2640
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cctctgtggt	ggtcctgcgc	aagcctggca	tcaatgtggc	atctgatttg	agtattcacc	2820
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aatggatcaa	aggagtgagg	ttgctaaaga	acatcctttt	ccctctcatt	ctaccctttt	3420
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gtccctcggc	agaaagacgt	ttccacacct	cttaggggat	gcgcattaaa	cttcttttgc	3540
ccccttcttg	tcccctttga	ggggcactta	agatggagaa	atcagttgtg	gtttcagtga	3600

atcatgggtca	cctgtatttta	ttgctaggag	aagcctgagg	gtgggggggag	atgatcatgt	3660
gtgctcgggg	ttggctggaa	gccctgggtg	gggggttggg	ggaggactaa	tggggagtcg	3720
gggaatattt	gtgggtattt	tttttacttc	ctcttggttc	ccagctgtga	cacgttttga	3780
tcaaaggaga	aacaataaag	ggataaacca	taaaaaaaaa	a		3821

<210> 4331
 <211> 474
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (192)...(450)
 <223> similar to gi3171912 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4331	
cgacccacgc	gtgcgggatc ctatcgaaaa ggattggtgc gactggggcca tgattagcag 60
gtagggggcag	tgatggaggg tggctcaggc caggggggtgg acctgctcat tgcaggtaga 120
ccctgagtga	gagtggggca ctcttctccc tgggtccacc ccctctctca ctcaagtcct 180
cttctgcccc	taggccttat agcaccctgc gagattgcct ggagcacttt gcagagttgt 240
ttgacctggg	cttccccaat cccttggcag agaggatcat ctttgagact caccagatcc 300
actttggcaa	ctgctccctg gggcagccca ccttctctga cccccagag gatgtactcc 360
tggccatgat	catagccccc atctgcctca tccccttcct catcactctt gtagtatgga 420
ggagtaaaga	cagtgaggcc caggcctaag gggccacgag cttctcaca ccat 474

<210> 4332
 <211> 1837
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (678)...(1627)
 <223> similar to gi5919217 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4332	
acaaggtggt	tggcacccac aaagaccatg aagtttcaac gcttgacaca gctataagtg 60
ctgtaaaggt	tcaattagca gaatttctag aaaatttaca agaaaagtcc ttgaggattg 120
aagcctttgt	tagtgagata gaatcctttt ttaataccat tgaggaaaac ttagtagtaaa 180
atgagaaaag	gctagaagaa cagaatgagg aaatgatgaa gaaggtttta gcacagtatg 240
atgagaaaagc	ccagagcttt gaggaagtga agaagaagaa gatggagttc ctgcatgagc 300

```

agatggtcca ctttctgcag agcatggaca ctgccaaaga caccctggag accatcgtga 360
gagaagcaga ggagcttgat gaggccgtct tcctgacttc gtttgaggaa atcaatgaaa 420
ggttgctttc tgcaatggag agcactgctt ctttagagaa aatgcctgct gcgttttccc 480
ttttcgaaca ttatgatgac agctcggcaa gaagtgacca gatgttaaaa caagtggctg 540
ttccacagcc tcctagatta gaacctcagg aaccaaattc tgccaccagc acaacaattg 600
cagtttactg gagcatgaac aaggaagatg tcattgattc atttcagggtt tactgcatgg 660
aggagccaca agatgatcaa gaagtaaagt agttggtaga agaatacaga ctgacagtga 720
aagaaagcta ctgcattttt gaagatctgg aacctgaccg atgctatcaa gtgtgggtga 780
tggctgtgaa cttcactgga tgtagcctgc ccagtgaag ggccatcttt aggacagcac 840
cctccacccc tgtgatccgc gctgaggact gtactgtgtg ttggaacaca gccactatcc 900
gatggcggcc caccacccca gaggccacgg agacctacac tctggagtag tgcagacagc 960
actctcctga gggagagggc ctccagatctt tctctggaat caaaggactc cagctgaaag 1020
ttaacctcca acccaatgat aactactttt tctatgtgag ggccatcaat gcatttgga 1080
caagtgaaca gagtgaagct gctctcatct ccaccagagg aaccagattt ctctgttga 1140
gagaaacagc tcactctgct ctacacattt cctcaagtgg gacagtgatc agctttggtg 1200
agaggagacg gctgacggaa atcccgtcag tgctgggtga ggagctgcct tcctgtggcc 1260
agcattactg ggaaaccaca gtcacagact gccagcata tcgactcggc atctgctcca 1320
gctcggctgt gcaggcaggt gccctaggac aaggggagac ctcatggtac atgcactgct 1380
ctgagccaca gagatacaca tttttctaca gtggtattgt gagtgatgtt catgtgactg 1440
agcgtccagc cagagtgggc atcctgctgg actacaacaa ccagagactt atcttcatca 1500
acgcagagag cgagcagttg ctcttcatca tcaggcacag gtttaatgag ggtgtccacc 1560
ctgcctttgc cctggagaaa cctggaaaat gtactttgca cctggggata gagcccccg 1620
attctgtaag gcacaagtga tccttggtt tcagaatttg caagaacagc gatttgaatt 1680
ttgggggggt ctgctgttca ttctttagg tgctatacat tattcaaaaa gtctcccgcg 1740
catttgact aatgatggct gcatgcatag caatcagcat gtgagcaaaa tcgacaagaa 1800
aaccttgact ttacagagca gtgtgtgagt aaacaga 1837

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<210> 4333
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(603)
<223> similar to gi4768277 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4333
tcccggggct gctgctgacc aaggtggtaa gccagcaacc cttcgtgggc taccgcggcc 60
cccagagcgt gtcggaacgg aagctggtgc gcaacgtgcg gcaatcgggc gacgtttact 120
acaacaccgg ggacgtactg gccatggacc gcgaaggctt cctctacttc cgcgaccgcc 180
tcggggacac cttccgatgg aagggcgaga acgtgtccac gcacgagggtg gagggcgtgt 240
tgtcgcaggt ggacttcttg caacagggtta acgtgtatgg cgtgtgcgtg ccaggttgtg 300
agggtaaggt gggcatggct gctgtgcagc tagcccccg ccagactttc gacggggaga 360
agttgtacca gcacgttcgc gcttggtcc ctgcctacgc tccccccat ttcattccga 420
tccaggacgc catggaggtc accagcacgt tcaaactgat gaagaccgg ttggtgcgtg 480
agggcttcaa tgtggggatc gtggttgacc ctctgtttgt actggacaac cggggccagt 540
ccttccggcc cctgacggca gaaatgtacc aggtgtgtg tgagggaacc tggaggctct 600
gatcacctgg ccaaccact ggggtagga tcaaagccag ccacccccac cccaacacac 660

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tcggtgtccc	tttcatcctg	ggcctgtgtg	aatcccagcc	tggccatacc	ctcaacctca	720
gtgggctgga	aatgacagtg	ggccctgtag	cagtggcaga	ataaactcag	atgtgttcaa	780

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<210> 4334
<211> 1009
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1012)...(507)
<223> similar to gi5788108 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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007710 "E222450

<400> 4334						
tttttttttt	tattaatatg	aacatatgaa	cctttattaa	gtggctcaca	tttcagtata	60
aatcacacta	aaaagatatt	taaaagctat	ttacactaca	gtgctgacac	atttaaaatg	120
aaaaaaaaag	gatataaata	agctctatgg	aaaagcttta	aattgttgca	aaaagaattc	180
tggctcatat	tacaaaatat	atatatatat	ttatatatat	atatatatgt	taatgtcagc	240
tctattctaa	aacctaaaat	tccaacgtaa	atgatttttt	tttaaagact	cctttatggt	300
taaacctgca	atgtttacag	tgcactctggc	cctaagtgtc	taatacttca	cagttatgga	360
caggcactga	ggaatgttac	aaagctacat	aaactatggt	ttgtaacaga	cataggagca	420
agtccttggc	ttgctttcag	aattcatgaa	tctttattac	attaaatttt	tttaaaaaag	480
gatttttagat	ggtatatgca	aatttagcac	aaaatgtcat	cgtctttttt	atcttgattt	540
gaatgtgctg	aactgtgttg	ccttgatatca	actagactta	gatttccagg	gcacaattct	600
tcctttaaat	ccttggttgct	attttcaa	ttagaatcca	tgtcaatctt	aaattctgca	660
aattgaacat	gatccaattt	tgttttaaca	ttcttgccat	ccatattatt	cagtgtgtgta	720
gtcttttcag	gaatattaac	attcacaggt	tcttccttga	ttcttacaga	tgcaataggt	780
tcatgtttaa	tctgctgtaa	ttcatattta	gaatgaagtt	tatctgaaaa	aacagaatcc	840
aaggaggctt	tgcttacagc	acaaatcatg	ttgtcagtgt	gaggtccaag	aacagatgat	900
gtggaatctg	atgatgtgcc	tgtttcatga	gtagctgtat	tctgagaagt	gtcctcctct	960
gagtgatata	atttgagccg	aatatgccat	gctaaactgc	atacagctg		1009

```

<210> 4335
<211> 1536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1185)...(564)
<223> similar to gi3874171 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4335

cagggttatga	tttttaaacc	aaacccccga	tccaaaggta	gaaattgggtg	gccccctttg	60
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ttggaaatat	aaaaaagggg	tcccttttgg	atatagataa	aaatatTTaa	aggttttaaat	180
tcatttggtc	atgtagggtt	ttcaaaaattc	catgtatat	ccaatgtgga	tgggtactgaa	240
ttttgatcat	accagtttcc	ctcaggattt	atcagatttt	aaacatcctg	cagataagct	300
ggttgacaat	tccccagcag	ttcttttttt	ttttttccct	tttcttttta	gattttttta	360
aacagagaac	aaagggattc	actcagagat	cagaatacga	agcttcctct	cagcatcatg	420
ggaggagata	aaataattca	ttctatggtc	tttgttccat	taagacttgg	tgctttcttc	480
agtaacagta	tgtgaaatgt	ggctgacttt	gagtccccca	ctgtgtaagt	ggaattatTT	540
ttcactgcag	catttctgag	tctttttctt	gttccttact	ctgaactgta	aaattaagtt	600
cataaaaggca	tttggcaagg	gtggaggaag	cttccatgtt	actaatggct	agcactgata	660
agttatTTtc	atgtctcttt	aacaatctgc	gaccacattc	tgaatatTTa	ccaatatTTt	720
ttaatattaa	ggcagctgtt	agtcggatgt	gtttagttat	tggtcctct	ttttcatctg	780
taaaatctcg	aaagacaagg	tttcttgatc	ctctcctcag	agccataagt	gcagcactgg	840
gatgattcac	aatggccttt	tgtgctctag	gagttgagct	tgtgccccct	acagttggct	900
gcttggtaga	agacttctga	cttcctgctt	gtcctgggtc	atcttgTTTT	aatcctgcaa	960
gtagggcatc	ctttgaacag	tgcttatcct	gcaagtgggt	aataaaaagaa	aaccgctgtc	1020
gctgaaaagg	ctcacaaact	tcccaaagac	actggcctgg	atatacatct	tttcctccat	1080
gttcagttgc	tgcatggtag	aaaacctgtg	aggggtgtctg	aaaccacttt	ttacaagact	1140
gccacagaca	catgaagtgc	tgtccagggt	ttctcattgg	atctccaggc	tgactggatc	1200
cactgaatgg	agaaggctga	gaactgttag	gctggccctg	cacttggtaca	gctgggtgaag	1260
gtggcatagg	agtgttctgc	gggaccacat	tctgtacata	tggtgggtgga	tgctgttgct	1320
tttgctgaac	agcactttct	attgctactt	tagctacagt	gcttggtatct	gctcctgctg	1380
gcacagcaac	cattgtttgcg	ctgcagccag	cattgtttggg	gtcactgatt	gtaacaattc	1440
taactcctac	tttatTTtga	attcctgcga	ctgtttccct	atcagtatcc	tctgctggcc	1500
tctttacagt	tttgcaattct	gctgtgccat	ttgtag			1536

<210> 4336

<211> 3105

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)...(1501)

<223> similar to gil055162 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4336

ctgaatgtca	ataggttgct	gcatatcggt	ggatatgggtg	atTTccagat	gaaacagata	60
gatgcccccg	gagacccttt	ccctTTaaat	cctagaggaa	TTaaacccca	aaaggaccca	120
gacatggcaa	tggagatttg	tgctacggat	gctgtagatg	atatgggaaga	aggtctTTaaa	180
gtcctaata	aggcagaccc	tggtagacag	gaatccttgc	aagcagagggt	tatcccagat	240
ccaatggagg	gagagcaaac	ctggcccact	gaggaggagc	tgagcgaggc	aaaggatttc	300
ttgaaggaaa	gttctaaggt	ggtaaagaag	gtcccaaaag	gaacatccag	ttaccaagct	360
gaatggattt	tggatggtgg	cagccaaagt	ggtgggggaag	gagatgaata	tgaatatgat	420
gatatggaac	atgaggattt	tatggaggag	gaatctcagg	atgagagtag	tgaagaagag	480
gaagaatatg	aaactatgac	tattggggag	tctgtgcatg	atgatctgta	tgataagaaa	540

gtagatgaag	aagctgaggc	aaaaatgttg	gagaaatata	aacaagaaaag	actggaagag	600
atgtttccag	atgaagtgga	cacgccccgt	gatgtggctg	ctcgaattcg	atttcagaaa	660
tacagaggcc	ttaagagctt	ccggacatct	ccatgggatc	ctaaggaaaa	ccttcctcaa	720
gattatgctc	gaatatttca	gtttcagaac	tttactaaca	ctaggaaaaag	catcttttaa	780
gaggttgaag	aaaaagaggt	tgaaggagct	gaggttggct	ggtatgtcac	acttcatgtc	840
tctgaagtc	ccgtctcagt	ggtcgagtg	ttcaggcaag	gaacaccctt	gattgcattt	900
tctttactac	ctcatgaaca	gaagatgtca	gtattgaata	tgggtggtgag	gcgtgaccct	960
ggcaacactg	aacctgtgaa	agccaaggaa	gagctcatat	ttcactgtgg	attcaggcgc	1020
ttccgagcct	cacctttatt	ctctcagcac	actgcagcgg	acaaacataa	attgcagaga	1080
ttcctgactg	ctgacatggc	cctggtggcg	acagtctatg	cgccaatcac	ttttcctcct	1140
gcatctgtgc	tgcttttcaa	gcaaaaaagc	aatggaatgc	acagcctcat	tgctacaggc	1200
catcttatgt	cagtagatcc	agacagaatg	gtcatcaaga	gagttgttct	gagtggtcat	1260
cctttcaaaa	tttttactaa	gatggcagta	gtacgttaca	tgttcttcaa	cagagaggat	1320
gtgctgtggt	ttaaaccagt	ggaactgaga	acgaagtggg	gccggagagg	acatatcaag	1380
gaacctttag	gtacccatgg	ccacatgaaa	tgcagctttg	atgggaagct	aaaatctcaa	1440
gacacagtac	tgatgaacct	gtataaacga	gtcttcccca	aatggactta	tgatccatat	1500
gtaccagaac	cagtaccctg	gctgaaaagt	gagatttctt	caacagtgcc	tcaagggggc	1560
atggagtaat	ggattcaaag	agattctgtc	ttaccgggtg	cagtcagtac	tccagggatg	1620
ggaggcaca	gttgtgattg	ggcaaagttt	atthttctatg	tcagcctgtc	agtccactgc	1680
cccattttgc	aagacttttt	tttagccttg	acaaaatgtc	tcagttaagt	ataaaagttt	1740
ttccactact	tagtccaaaa	aaaactatta	aatcttaatg	aaatagccac	tctccattaa	1800
gaatctgata	actaagagtt	gacaatacta	ggaaacaaaa	tgtcttcagt	atctaaagac	1860
actgaattcc	caccattttcc	ttttctgtaa	attaaacaga	aacagactga	taagaagctg	1920
gcctttcagc	ctgcttcacc	caagttatgg	aggagggttaa	gtctacattt	ccaccactga	1980
gcacaataca	aatgtttctt	acttctgggg	aaacagtttg	aaaatgttga	gacagcacag	2040
cagccactcc	aacaccagct	gtaggttcaa	tgagtagttt	catcctctcc	cacaccagct	2100
gggttgacac	ctggtgatat	ggaagggagt	aggaattagt	gaaaggggag	tctagttggt	2160
ttacctataa	agttcagatg	agaatacgtg	tccagtttga	atthttcttat	cactgtgtac	2220
acacgcttcc	caaagctttt	ctttaattct	gactctgctt	ctgtcaagag	ggttgtcatt	2280
aatacatcta	gggtaccctc	ccatgtcatg	aagttaccta	gtcagggttc	cgtgggtcac	2340
ttgctactcc	taaggggaagt	ttcttctgcc	taagaagtta	caccatgctt	tgctatttct	2400
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ggtccctgat	aataggccag	gtgttcaagc	caatgctgga	tttgacacca	tctgctatgg	2520
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ctgcatttga	gggttcagca	gcatatacct	tcacactagg	tttcagagcc	ttaactgtaa	2640
ttgctattcc	agcaagcatt	cctcctccac	ctacaggtag	caccagtgc	tccaccaaag	2700
gaacctgggt	cagcacttcc	agggcaattg	tcccctgtcc	agctatcact	gcaggctcct	2760
ggttgggatg	taccatgatg	ccttctgttt	cttctgtaac	tctttttgca	acattttctc	2820
tggactcatc	actaggttca	cagtatacaa	ttgacgctcc	gtaggcttgt	attgcaagtt	2880
ttttacagtc	tggagctgtc	tggggcacca	caatataagc	aggaattcct	tccaatttgg	2940
cagcataggt	gagagcctgg	ccatggtttc	cactgctgtg	agtaacaaca	gctttcggct	3000
tcctttctaa	agcatcagga	accaagcttc	tgacggcatt	gagagcacca	cgaatcttaa	3060
aagatcctgt	tttctggaag	agttcacatt	tgaagaaact	cgtgc		3105

<210> 4337
 <211> 1860
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1861)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (7)...(892)
 <223> similar to gi3925211 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4337

tttcgtggca	acaagctggt	cttctcctcc	taccccgcca	ccatcttctc	ctgcgacgac	60
ttctacatcc	tgggcagtg	gctggtgaca	ctggagacca	ccattggcaa	caagaaccca	120
gccctgtgga	agtatgtgcg	gcccaggggc	tgtgtgctgg	agtgggtacg	caacatcggtg	180
gccaaccgcc	tggcctcgga	tggggccacc	tgggcagaca	tcttcaagag	gttcaacagc	240
ggcacgtata	acaaccagt	gatgatcggt	gactacaagg	cgttcatccc	gggtggggccc	300
agccccggga	gccgggtgct	taccatcctg	gagcagatcc	ccggcatggt	ggtggtggct	360
gacaagacct	cggagctcta	ccagaagacc	tactgggcca	gctacaacat	accgtccttc	420
gagactgtgt	tcaatgccag	tgggctgcag	gccctagtgg	cccagtatgg	ggactggttt	480
tcttatgacg	ggagcccccg	ggcccagatc	ttccggcgga	accagtcact	ggtacaagac	540
atggactcca	tggtcaggct	gatgagggtac	aatgacttcc	tccatgaccc	tctgtcactg	600
tgcaaagcct	gcaaccccc	gcccgaatgg	gagaatgcta	tctccgccc	ctccgacctc	660
aaccgggcca	atggctccta	ccccttccag	gccctgcgtc	agcgctccca	tgggggtatc	720
gatgtgaagg	tgaccagcat	gtcactggcc	aggatcctga	gcctgctggc	ggccagcggt	780
cccacgtggg	accaggtgcc	ccggttccag	tggagcacct	cgcccttcag	cggcctgctg	840
cacatgggcc	agccagacct	ctggaagtgc	gcgcctgtca	aggtttcatg	ggactgaagt	900
tctgtccctg	ctctgctgct	ttcgccccctg	ctgaccctcg	tcagggtcac	ccccgtccca	960
aggccaccgg	acttctaact	ccagccccctc	ctgggggctt	cgttctctga	tctggggtct	1020
gagtcattct	ctcctagagt	gggtcacgaa	cctgatgggg	ctcagaactg	acccccctctc	1080
tccccgagg	tgggtgggca	ccgtggcgctc	tcttctgccc	tgccctaaat	ctcccactct	1140
ctgtttctgt	ctgttttcta	ctgctgctct	ctcaacctca	ttccccctc	tggggccctt	1200
tctcgtgct	tctccttct	gaggggttgg	gaaggctctg	gggcagactc	tggggctccc	1260
atgggggtgga	aggagcctgt	tccagcaccc	ttctcccagc	tgcatcccca	cgggtggccc	1320
tggagctggt	gagctttgtc	tgggcgttgt	cttcggtctg	cattgtctct	cccagctctg	1380
gcccctctgc	tccctcagga	agcagtcctc	tcgtctccct	ttctgggcag	cttccttgag	1440
gacagaaact	tgaaaacaaa	cacaaaccaa	agttttctggc	catctgtggc	tggaggggttc	1500
tgaatgtcct	ctctccatgt	caggcagagg	gtcagccccc	atgcttctgc	ctcaggcccc	1560
accccccccc	accccaggcc	tgccccctcac	ctcaggggcca	taccacacagc	gccctgatgg	1620
aggaaccaga	ccgcaggctg	tgccaccatt	aaacaagagc	ggctgtggaa	aaaaaaaaaa	1680
agggggggcc	cttttaagg	gaccaagttt	aaggcccggg	ggcgggcaag	gtaaaatttt	1740
tttaaggggg	ccccaaaaat	aaattcccgg	gcccgcgttt	aaacaccgcg	gggaggggaa	1800
aaccgggggc	gaaccctaat	aaaaccgctt	gcgaaaaann	nnnnnnnnnn	tntttnttag	1860

<210> 4338
 <211> 1389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(857)
 <223> similar to gi4263748 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4338					
cgagatggac	cacgtcatgg	acgtggtagt	gaagtccgtg	aactggatat	gctcccgggg	60
actgaaccac	agcgagttca	caaccttgct	ctatgagctg	gacagccagt	atggtagcct	120
cctgtactac	acggagatta	agtggctcag	tcgcgggctc	gtgctaaaga	gatttttcga	180
atccttgga	gaaatcgact	ccttcattgtc	atccagaggg	aaacccctgc	ctcaactgag	240
ctccatagat	tggatccgag	acctggcctt	cttggttgac	atgacgatgc	atctgaacgc	300
tttgaacatc	tctctccaag	gacactccca	aatcgtcacg	cagatgtatg	acctgatccg	360
ggcgttccta	gcaaaactgt	gcctctggga	gactcatttg	acgaggaata	atctggccca	420
ctttcccacc	ctgaaattgg	tttccagaaa	tgaagcgat	ggcctgaact	acattcccaa	480
aatcgcgga	ctcaagaccg	aattccagaa	aaggctgtct	gatttcaaac	tctacgaaag	540
cgaactgact	ctgttcagct	ccccgttctc	cacgaagatc	gacagtgtgc	acgaggagct	600
ccagatggag	gttatcgacc	tgcaatgcaa	cacggtcctg	aagacgaaat	acgacaaggt	660
gggaatacca	gaattctaca	agtacctctg	gggtagctac	ccgaaataca	agcaccattg	720
cgcaaagatt	ctttccatgt	tcgggagcac	ctacatctgc	gaacagctgt	tctccattat	780
gaaactgagc	aaaacaaaat	actgctccca	gttaaaggat	tcccagtggg	attctgtact	840
ccacatcgca	acgtgatgga	gagaaaactc	ctggcagggc	cctatggtgg	gaaaggctgg	900
agtcttctag	tcccaaggga	ttgggagatg	acaaaatgaa	tttttttttt	ctttttttgag	960
atggagtctt	gctctgtcgc	ccaggttgga	gtgcagtggc	gtgatctcgg	cttactgcaa	1020
cttccagctc	ctgggttcga	acgattctcc	tgcctcagcc	tcccgagcag	ctgggactac	1080
aggcatgcgc	caccatgccc	ggctaatttt	tgtattagta	gagatgaggt	ttcaccatgt	1140
tggccaggct	ggtctccaac	tccctgacctc	aggatgatcca	cctgcctcga	cctcaciaaag	1200
tgtctgggatt	acaggcatga	accactgtgc	ccagctgaca	aaatgagttc	ttaaactttt	1260
tttttttttt	agtttttttt	ccactttgaa	tcagaaatat	aatctgcagt	atcatacttg	1320
tttatattac	attgtatgcc	tcactattca	ttaaaaatca	agaaagtttt	attgtaaaaa	1380
aaaaaaaa						1389

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<210> 4339
<211> 1523
<212> DNA
<213> Homo sapiens
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```
<220>
<221> misc_feature
<222> (1487)...(555)
<223> similar to gi475934 in the genept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 4339						
tttttttttt	ttgaaaaata	aatgatttta	ttgcagggcc	aatgataggt	agtcacaagg	60
gcatgaaatg	gcagatctct	tgtctgaagc	agagaaggca	cactggcaga	ctccatgtgt	120
gtcaaacgct	gtgcatgaat	cagggtttta	gaaggaagggt	aggagaggaa	aactactcac	180
tagcagaact	gaactgctgt	aaaatagggt	aaattctttg	aaaagtghaa	aatgatagta	240
gcaaaatcat	gaagttgtat	ctgaaccaga	gccgtgatgt	aaccaagtaa	gatggaagtt	300
tccatccaga	cgagttaatt	cccgaacaag	gtcacaggaa	aggtgagacg	ctgccggttc	360
cggcacgcct	gtcttctgga	gtgccagtga	ccgggcaaga	aattttgatt	ctttcctttg	420
atactcttgg	gaaagaacac	atttcccaag	cccctggaga	cccacagggt	ttggcactgt	480


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ccgtgaggct gtgctcctga ggacggacgt tcaggaggcc gtggaggagc agcgctgcag 540
gagcaggggtg tggcagctgt cgcacactcg caccggcttg gggtagggag gcagggccag 600
ctcgtttgctg gagcaggtgt tgcagaagat gtggccacag ttccggcagt ggtgctttct 660
ccgggaaatg gagaactcct tctcacactg cctacagtgt gtcgcttcgt catctttcag 720
ccaggcgtgg cccttcagtg cctggttcac ttcttttata tcttccatct tcagcttggg 780
ctggctgagg tgcaggccca tttcctggag ggcttggtcc tgctcctcgc agatcttctg 840
cagctctgcc ttctcgtcct gaagctcccg caactccttt ttcagtcctt ccacttggtg 900
cagctccatc ctgagtagag aggaagtgtc tttctcgtgc tgtaattcgc gctgaagagc 960
ctgtcttttg tctttttctg atttcaattc tttctccagg cttgagcatt gctcgtgcag 1020
ctgggagagc tgcagctgca gggcgccgat cctcccgcgc agctcctgct gcagcttggt 1080
gctccgctcc tcagcccctt gcctcgcccg ctccgagtgc tgcaaccttt cttccatttg 1140
tttcatgctg gacataactt ggttggtttt tcttcaaag gatgtgatgg cttcattctt 1200
ctgctgcaaa ctgctctctg cattctgagc tttgtgaaac atctgtaaat taatcgcttt 1260
gacttcttcc agctgctggc ggagggcaac tagtgtgtcc tgcttctcgt ggggtgtcctt 1320
ttccagtaac ttcatgcaa tttccatttc ggttttcatt ccaatttgta actccagttc 1380
tttttccagt tccaaccgga ctttcttctc ctcttttagc tgcttccaca catcactgta 1440
catttcatcc agaccttgcc gagtttgctt gtaagtctcc agctcaactt tgggtatcctg 1500
ttttgttatc tctacactct ttt 1523

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<210> 4340
<211> 1838
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1839)...(1477)
<223> similar to gi4960159 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4340
tttttttttt ttatatattaa aaattaattt aatgcttggc taaatcttaa ttacatatat 60
aattatcaaa cgatagtcct taatttccaa aaaaattcct cttttgaaaa tccagaatca 120
gaaagcataa actttttaaac caagttcccc tgaatatatta caatgtggta taaacattat 180
agaagaccat ggatattaaa ttgcctgggg tgtggctaata cagcaaggcg tattctttat 240
tgcataattta actcacatat gtgggatttt aaatatgaca gactactaaa attcaaatgc 300
atgtatctgc aagctgggca gggagtaaaa tcatgaatga gacaggacgg tcagcccaaa 360
accatgcaat taggttggtg gtttattatt ttcaaaagtg aaatttctat gttccatttg 420
aaactatggt gcatattcat ttagcattca cattaacccc acatttgact ctaacgctga 480
ttcaagggaag aaagttcaac attcactcaa tgactaagtc cacaactcaa ctctcaatgt 540
taaggcagca cagctacagt gatagcaacg ctaaccaaaa ggtaatgaac atttagtcac 600
ttgccagccc ttttgttaca acagtgtagt aatttcccta agacaatttg ctaccggata 660
attttctgct gttaaaaggc ttctctgtgt gaaaaacacc acaaatttcc agtgtgaaag 720
taagtccatg gtggtataaa tatatatatg cataattaca caatttacac tgcacacatc 780
gtttacaggg gacaattaac tgagagggtt aattttaatg accatacaaa atacttcagt 840
aaacaaagta tgacaggcag taaagaaaac attcatagac tcttagaaat aatctgaatt 900
cctttcattc tgaagaaata tcatttaagg acacagtatt gaatataatg ttttttgtat 960
taaaacaaga attgctatth tacagtttaa gaaactttac atatatacaa aatttacaca 1020
ttgggaatgg taatcaagca aatagggttt tcagtctcat agatctatth tccttcgatc 1080
aaagacttaa attctttcac attgtggtca cttgcaacag acatagcatg atccaaagct 1140

```

```

cgaacacttg caaggagttt tactatctgt tttatgtttt cccttgcatt tcttttttcc 1200
acatcagaac acccgatact atttctataa attgtatccg ctaagtgtac aaggatcgg 1260
caaaagtttt ctaactgaga aatagtcctt tctcctttca gattcatgaa ccattgtttg 1320
gggaaacaat tgattacatt ttgggctttt ttgatgctgt catctccata ttctgaattc 1380
tgaaaagcca tgagaatata tcgatttaat aaaccatcta ttgataactc ttgcagagtt 1440
ttatttgaga aaatgccata ccaactgaaga aaattgccta acagcttaac tgaagaccaa 1500
aactgtcgtt gaaaaaaca gtaaggccca gaatttttat tttctaagac atttttggga 1560
tataagggca taaatacatc atcatctaaa gttcttctca ttctcaataa aagtgccttt 1620
aggtatacct gtgtattttt attttctgca ttactactg aaggatatcc attgattaat 1680
tttagtgtaa ttcccacat tcttgaagtc tgtgtttag aaaaagggtc ccacatattt 1740
tcagctatca ctggttagttt aggaagaatc accttttcca caatggtagg tagtagggca 1800
acatctacat catctttttc ttgctctcgt tcttcaca 1838

```

```

<210> 4341
<211> 1356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (192)...(756)
<223> similar to gi485114 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4341
aggcatgcac caccatgccc ggccatttgc tgtcacttct gtctccttga gtctgcctcc 60
tctgtcttca cctccatgaa gccagggggc ttttgcttgc ttgggtcact atgactgaat 120
tcttcccacg tagtctgtgg tagacatctt cgtaaaactca gacacctcat gtcctctttg 180
tcttcatcct tcaggactat ggcccccagg tcaactttcg gaaacagaag ctaaagaccg 240
agggtctctg cggcctcccc agcttcagcc gggagggtgt gcgaggatg ggcctctacc 300
cggggctgga gggcttccgg cccgtcgagc agtgcaacct ggactactgc cccgagcggg 360
gctctgccat tgacccccac ctggacgacg cctggctgtg gggggagcgg ctggtcagcc 420
tcaacctcct gtccccacc gtgctgtcca tgtgtcgga ggcgcccggg agcctgctcc 480
tetgtctggc cccgtcggct gccccggagg ccttggtgga cagcgtgata gcacccatcc 540
ggtcgggtgt atgccaggag gtggagggtg ccatcccctt acccgcccgc tccctgctgg 600
tctcaccggg ggcggcacgg caccagtga agcatgccat ccaccgcaga cacatcgagg 660
cccgccgcgt ctgctcact ttccgggagc tgtcggtgga gtttgccctt ggaggagggc 720
agcaagagct gggccaggaa ctgctgcgga tcgcctctc cttccaggga agaccctgtg 780
gaaccgcctc cttggctcca gacttgactg atcccgggat tgaaatgagg agcacagaac 840
agggcctcct gcaactcacg gggtttcaag agaagatggc tgacccctga tgctgtgagc 900
agtgtgagcc ctgcccagga gcaggttttt atgggaacgt acctccaggc agcccccttc 960
cacctggacc gtggccacac ttttttggtt atttagtttg tcacagtctt ggggacattg 1020
gatcatttga gcttaaaaaa tactgggggc cgggcacagt ggctcacacc tgtaatccta 1080
acactttggg aggctgaggt gggcgatca cttgatgcca ggagttcgag accagcctgg 1140
ccaacacggt gaaaaccgct ctctacaaaa actacaaaaa ttagccgggt gtggtgactc 1200
acagccgtaa tcccagctac tcgggaggct aagggtgggag aattgcttga acctgggagg 1260
cggaggttgc agtgagccaa gatcacgcca ctgcactcca gcctcgggtg cagagcaaga 1320
ctgttttgaa aaaaaaaaaa aatgggaaca ttttaa 1356

```

<210> 4342
 <211> 2008
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2009)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1988)...(793)
 <223> similar to gi3924848 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4342

agcctgccag	gccccacga	agcaaaggct	gtcaacgatg	acatcagacc	ctgcagtcgg	60
agaaggggaa	ggctgggtga	tgcagctccc	cgagccnact	gtcaggggga	cgggtcactg	120
agaccacatg	gggaacaaaa	ggctccagga	gggctggaat	cccagaaccc	cagggctggc	180
actgccctcc	tccaggcaag	aaggagcaga	gataaataac	catgtccacg	ccaccatcgg	240
ggagcgggag	gggacgtcct	aggacagaca	cggagcaggg	agcaggtcag	gcctgcagtc	300
caggccccctt	gcggcaggag	gcggtgggcg	gagcccgcgc	gcgatcgggc	agggggtccc	360
ggcgtctcct	ctttaatcgt	gcatgtgtgc	ttaccccagt	ccgagggcgg	ccggctccca	420
ggactggggg	gctcgtccgc	aagtccgtag	cctggccccg	ggacgtctcc	caagctctcc	480
tccaagggaag	ttcaaagaca	aggaaaagaa	gaaacaatcc	ccccccagtc	tccgagagca	540
acagaaaaaa	gctctgtaat	tcagtgttcc	aaccaccgcc	ggggagggag	agggcccctg	600
tcctgcagg	gccgcccggg	ggggggccag	tgtccactca	ctcgtgctcg	gccccagaga	660
ctgtggagcg	gcgggggctc	cggctgtggg	ggtggctgtg	tcactgtgtc	ttggccttca	720
cgagcagcct	ctggacggtc	ttgtagagga	ggctgaagtg	ctgagcctgg	gcactgctca	780
cctggacagc	cacgtaggcc	atgccagagt	aggcagcaat	gccaacagcc	aggagcaggt	840
caaagacggc	cggcttgact	ctgtacgcat	tcatcacttg	cttcagctgg	tcgtagaaga	900
caaactctgg	gtcccgtctg	tcagccttga	cgtgggtgctg	cttcacgtcc	ttcaggtagc	960
ggctcaggtg	gtgctccagc	gtgctgagga	aggtgctgtc	cttgtccacc	agctgcgcgg	1020
cccgcggctg	gttgggtgagc	cagtccatca	ccgagtccag	ctgctcctgc	tggatctgca	1080
tctgctctgt	gaacaccggc	atgtctgggg	gtgtccccctt	ctctgtcagg	ttgtagatga	1140
ctcaggtcag	ggcctctgca	atgatcctcg	tgttacgggt	caggggtctta	gaatccaccc	1200
gggaccgcac	gtccatgatg	ctgctgcgct	ggccgtcacg	gtggctctcc	aggtgggaca	1260
gcgtgaaggc	gggcagtcgg	cggatggcga	agcgtcctgt	ctcccaggcc	agcacgtcct	1320
ccgccagggtt	gacccgcttg	tgcacatgg	agaaccgtac	ctcagggaac	tgggtgcgcgg	1380
ccaccgtctc	cagctcccgc	aggaaaggcgt	gctgcagggg	gccctcccga	ggcggcttgg	1440
acacgtgcag	gtgcaggctg	ctgccccggc	ccacggtgtc	caggcacagc	acgaaggcca	1500
cattgtcctg	aagcaggctg	gagctctgtg	ggtccagggtt	gtcttccagc	cagcgtttgg	1560
ttccctggta	gttaaacttg	cctcctccag	acgcaaagaa	caggagggtt	taggcggcgt	1620
gcgtgcgctt	gtaggtgtag	agccggggaga	agaggcgtgc	cagctccagc	agcacagaga	1680
cgcgctccc	gttggaagtcc	gcgccagcg	acagccaggg	ggccactcca	aaggcgtcgt	1740
agtggggcac	gatgacgatg	gtgggaagg	cctctccgcc	cagccccgtc	agccgcccct	1800
ccacgctggc	aatcagccag	tactcacgg	ccttgcctctg	taccccgctg	gtgaccatct	1860
ggaagccggtt	ggcagtgggc	gtgcgcagca	gtacttcagc	agcagaggcg	gagccctggg	1920
aggcgcaggc	agcttgggtc	tgcttgtaga	tagacagcag	ggcttcgtcc	tccacggcaa	1980
agtacacggg	gcgggcggtc	tccatggc				2008

<210> 4343
 <211> 1475
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1222)
 <223> similar to gi5441611 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

004053E-04100

<400> 4343
 ggagatgaaa aagggttactg aagggtgttgt cgatgtcatc gtctacccaa gcgctgcaga 60
 taaaacccaaa aaccgagggt ttgccttcgt ggagtatgag agtcatcgag cagctgccat 120
 ggcgaggagg aaactgctac caggaagaat tcagttatgg ggacatggta ttgcagtaga 180
 ctgggcagag ccagaagtag aagttgatga agatacaatg tcttcagtga aaatcctata 240
 tgtaagaaat cttatgctgt ctacctctga agagatgatt gaaaaggaat tcaacaatat 300
 caaaccaggt gctgtggaga ggggtgaagaa aattcgagac tatgcttttg tgcacttcag 360
 taaccgagaa gatgcagttg aggctatgaa agctttaaat ggcaagggtgc tggatgggtc 420
 cccattgaa gtcaccctag caaaaccagt ggacaaggac agttatgtta ggtatacccg 480
 aggcacaggt ggaaggggca ccatgctgca aggagagtat acctactctt tgggccaagt 540
 ttatgatccc accacaacct accttggagc tcctgtcttc tatgcccccc agacctatgc 600
 agcaattccc agtcttcatt tcccagccac caaaggacat ctgagcaaca gagccattat 660
 ccgagcccct tctgttagag aaatttacat gaatgtacct gtaggggctg cgggagttag 720
 aggactgggc ggccgtggct atttggcata cacaggcctg ggtagaggat accaggtcaa 780
 aggagacaaa agagaagaca aactctatga cttttacct gggatggagc tcacccaat 840
 gaatcctgtc acattaaaac cccaaggaat taaactcgct cccagatat tagaagagat 900
 ttgtcagaaa aataactggg gacagccagt gtaccagctg cactctgcta ttggacaaga 960
 ccaaagacag ctattcttgt acaaaataac tattcctgct ctagccagcc agaatcctgc 1020
 aatccaccct ttcacacctc caaagctgag tgcctttgtg gatgaagcaa agacgtatgc 1080
 agccgaatac accctgcaga ccctgggcat cccactgat ggaggcgatg gcaccatggc 1140
 tactgctgct gctgctgcta ctgctttccc aggatatgct gtccctaata caactgcacc 1200
 cgtgtctgca gccagctca agcaagcggg aacccttggg caagacttag cagcatatac 1260
 aacctatgag gtctacccaa cttttgcagt gactgcccga ggggatggat atggcacctt 1320
 ctgaagatgc ttttttaaat ttaagaataa gacacacaaa actctattaa aaaaaaaaaa 1380
 aagggggggc cgttttaaaag gatccttggg ggggccaag tttacgcggg catgcaacgt 1440
 aatagttttt tccttatag gaggcgtatt ataac 1475

<210> 4344
 <211> 1092
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (17)...(221)
 <223> similar to gil710382 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4344

aatagaaaat	cgatcgccct	cggtagccgc	ccggaattcc	cgggggggtga	tatccatgga	60
ccgggattat	cactttgagt	gctaccactg	tgaggactgc	cggatgcagc	tgagtgatga	120
ggaaggctgc	tgctgtttcc	ctctggatgg	gcacttgctc	tgccatgggt	gccacatgca	180
gcggctcaat	gcccagacaac	ccoctgccaa	ctatatctga	gctgcaatca	ctgctgctgc	240
tgtcaccctg	cagacaaact	gctgtggcca	gtgggcccct	ctgaggccag	ccaaggcaaa	300
gaatgcactc	tgtaggcctg	gcagaagagt	cctctgggga	ggaccccaag	ggccggagac	360
ccaaagatca	tgatattcca	aatggattgt	ggaagagaaa	ccttatattt	accagggtgg	420
gggcgactgg	cctttttccc	atgtgtgcag	tctgagctta	ggcacacaca	ggaggggtcc	480
aggactttct	gaacatctga	ttctgtatct	tcagtatata	tattttgttt	gttttagaga	540
tgggatctca	ccatgttggg	caggctgggtc	tccaactcct	gacctcaggt	gatccaccca	600
ccttggcctc	ccaaagtgtc	gggattatag	gcgtaagcac	ttgtgtctgg	cctagtgtat	660
gattatgcat	gagtcacgca	atgttctggg	cctggattcc	aggagtagag	gacctagctt	720
taaatcaatt	agtttcagct	aagctgacta	gaaccgggtc	aaagtgtaat	tctccctcca	780
gctcccccaa	acccagaggt	tttgggggtg	tgggtgatgc	agtgtgggat	gtccctgaga	840
ggtagcaagt	ctagggtggg	gagttcctgc	taggcaacca	aatttaagct	cctcactttt	900
tgtgacacat	ggtgtcagat	atgggggtccc	gcacctatat	ctggatgaag	aggtagaaac	960
tctggacctc	attaatgagt	tatttcttgg	ccttcttcta	aggactagga	gagctcctta	1020
tctgtctgag	aatggggacc	agctctgagt	gggggttgctg	cctgtattcc	ctgtttctca	1080
ggaacttaca	tg					1092

<210> 4345
 <211> 2009
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(1351)
 <223> similar to gi790585 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4345

tgtagaaca	ccatatgata	ttgataatat	ttatttagaa	gaggtggaca	gtgtagtggc	60
tgctgagtat	gagctggaat	acctgttact	ggaaggtcat	tgctacgaca	tcaccacagg	120
ccagcctcca	cggggactac	agtttacctt	aggaacttca	gccaaccagg	tcattgtgga	180
caccattgtt	atggccaatc	tgggtacttt	tcagctgaaa	gccaaccagg	gagcttggat	240
cctcagactt	aggaagggac	gctctgaaga	tatttataga	atttacagcc	acgatggcac	300
cgattctccc	cctgatgctg	atgaggtggg	tatcgtcctc	aacaacttca	aaagcaaaat	360
tattaaagtg	aagggttcaga	agaaggcaga	tatgggtgaac	gaagacttgc	tgagtgatgg	420
aacgagttag	aatgaatctg	gattttggga	ttccttcaaa	tggggcttta	caggacagaa	480
gactgaggaa	gtgaagcaag	ataaagatga	cataattaat	attttctccg	ttgcatctgg	540
tcatctctac	gaaagatttc	ttcgcataat	gatgctatcc	gtgctgaaga	ataccaagac	600

09483735_012400

tcctgtgaaa	ttctggttct	tgaagaatta	cttgtccccc	acattttaagg	agttttataacc	660
ttacatggca	aatgaataca	atttccagta	tgagcttggt	cagtacaaat	ggccccggtg	720
gcttcatcaa	caaactgaaa	aacagcgtat	catctggggg	tacaagatcc	tcttcctgga	780
tgtacttttc	ccactagtgt	ttgacaagtt	cctgtttgtg	gatgctgatc	agattgtacg	840
aacagatctg	aaagagttaa	gagatttcaa	tttggatggg	gctccttatg	gttacactcc	900
tttctgtgac	agccgaagag	aaatggacgg	ctacagggtt	tggaaatcag	ggtactgggc	960
cagtcattta	gccgggcgaa	agtatcatat	cagtgcacta	tatgttgtgg	atctgaagaa	1020
gtttaggaaa	atagctgctg	gtgacagact	caggggacag	taccaagggt	tgagtcagga	1080
ccctaacagc	ctttcaaata	ttgatcaaga	tctgccaat	aacatgattc	atcagggtgcc	1140
aattaaatcc	ctccctcaag	aatggctttg	gtgtgaaacg	tggtgtgatg	acgcctctaa	1200
gaaaagggca	aaaaccattg	atttgtgtaa	taatccgatg	accaaagagc	cgaaactgga	1260
agcagctgtg	cggattgtcc	cggagtggca	ggactacgac	caagagatca	aacagctaca	1320
gatccgcttt	cagaaggaga	aagaaacggg	agcactgtgc	caaagagaag	cccaaaaaaa	1380
cccaagccga	aaaggctcct	agaaaacgtg	agaattatga	tctctggaga	aggacaggaa	1440
atcaccccat	ttgaaaaaca	gtttttataa	taaatgctag	ttttttctga	tctgtctata	1500
caactgctga	taagccggt	gggcaggagt	gccacacctt	ttgattctga	gcatttgatt	1560
ctgacttctg	tactctggtg	gccactggat	ctttgggatt	aaagctctgt	tggtattgta	1620
cctcagagga	agaccaagt	gctgatcctt	tggaactctg	aaagagcatt	cttctagtca	1680
gaggggtgga	tggcagcagc	aactggaaga	aaatgagttt	tttggtgccc	acacccaaga	1740
gcacacacat	gctgcactgt	ctcggaaagc	agggccagct	agagccacca	tgttcttcct	1800
tacctcagtt	tacctgcggc	ctgcgctgca	ctgcagatgc	ccacctgcc	ctgggtctgg	1860
ccggcggaag	ctctgtccaa	ggtccacaca	cctccagggt	tacgccaaca	tccttgtgcc	1920
ctccccacct	tctcttccaa	cgcattaggt	gcattgttta	attgaaatcc	aaccaacaat	1980
tgtgtgtcaa	ataaacaata	aaaaaaaaa				2009

<210> 4346

<211> 1699

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (40)...(1376)

<223> similar to gi3043574 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4346

ctgtcaaata	gttgtttaga	aagtgatttt	acatctggtg	gagtttgtca	ttcggatccc	60
aagatgacaa	gtaacatgct	cgcctttctg	ggggaaaatg	cagaggtcaa	agagatgatg	120
actacatgga	ctctccagaa	aggaatcccc	ctgctggtgg	ttaaacaaga	cgggtgttca	180
ctccgactgc	aacaggagcg	cttccctccag	ggggttttcc	aggaagaccc	tgaatggagg	240
gccctgcagg	agaggtagct	gtggcatatc	ccattgacct	actccacgag	ttcttctaata	300
gtgatccaca	gacacattct	aaaatcaaag	acagatactc	tggtatctacc	tgaaaagacc	360
agttgggtga	aatttaatat	ggactcaaat	ggttactaca	tcgttactca	tgaggggtcat	420
ggatgggacc	aactcattac	acagctgaat	cagaaccaca	cacttctcag	acctaaggac	480
agagtaggtc	tgattcatga	tgtgtttcag	ctagttgggtg	cagggagact	gaccctagac	540
aaagctcttg	acatgactta	ctacctccaa	catgaaacaa	gcagccccgc	acttctcgaa	600
ggctctgagtt	acttggaatc	gttttaccac	atgatggaca	gaaggaatat	ttcagatatc	660
tctgaaaacc	tcaagcggtta	ccttcttcag	tattttaagc	cagtgtattga	caggcaaagc	720
tggagtgaca	agggctcagt	ctgggacagg	atgctccgct	cggctctctt	gaagctggcc	780

tgtgacctga	accatgctcc	ttgcatccag	aaagctgctg	aactcttctc	ccagtggatg	840
gaatccagtg	gaaaattaaa	tataccaaca	gatgttttaa	agatttgtga	ttctgtgggt	900
gctcagacaa	cagcaggatg	gaattacctt	ttagagcaat	atgaactgtc	aatgtcaagt	960
gctgaacaaa	acaaaattct	gtatgctttg	tcaacgagca	agcatcagga	aaagttactg	1020
aagttaattg	aactaggaat	ggaaggaaaag	gttatcaaga	cacagaactt	ggcagctctc	1080
cttcatgcga	ttgccagacg	tccaaagggg	cagcaactag	catgggattt	tgtaagagaa	1140
aattggaccc	atcttctgaa	aaaatttgac	ttgggctcat	atgacataag	gatgatcatc	1200
tctggcaca	cagctcactt	ttcttccaag	gataagttgc	aagaggtgaa	actatttttt	1260
gaatctcttg	aggctcaagg	atcacatctg	gatatttttc	aaactgttct	ggaaacgata	1320
acaaaaata	taaaatggct	ggagaagaat	cttccgactc	tgaggacttg	gctaattggt	1380
aatacttaaa	tggtcaatag	aaaaagtagg	ctgggcgcgg	tggtcacgc	ctgtaatccc	1440
agcacttttg	gaggctgaga	agggcggatc	acgaggtcag	gagatggaga	ccatcctggc	1500
taacacggtg	agaccccgtc	tccgctaata	atacaaaaa	ttagccgggc	atggtggcag	1560
gtgcctgtag	tcccagctac	tcggcaggct	gcagcaggaa	aatggcataa	acccgggagg	1620
tggagcttgc	agtgagccga	gattgcacca	ctgcattcca	gcctgggtga	ctgagcgaga	1680
ctctgtctca	aaaaaaaaa					1699

```

<210> 4347
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(409)
<223> similar to gi5802788 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4347	
tgcagatttt	tatgctggtc aagagaaaga ttaacatact ttctggaatc agaacccttc 60
ttgtatgaaa	tctttaggta tcttattgga aaagacatca caaataagct ctactcattg 120
aatgatccca	ccttaaataa taaaaaagcc aaaaagctgg aacatcagct cagcctctgc 180
acacagatct	ccatgtttgga aatgaggaac agtatagcca gctccagtga cagtgcacgac 240
ggcttgcacc	agtttcttcg gggtagctcc agcatgtcct ctcttcatgt gtcaccccca 300
caccagcgag	cctctgccaa gatgaaaccg atagaagaag gagcagaaga tgatgatgac 360
gtttttgaac	cggcatctcc aaatacattg aaagtccatc agctgcct 408

```

<210> 4348
<211> 1232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (783)...(352)
<223> similar to gi2301185 in the genepept database release 114,

```

Run with FASTXY 3.3t00, default parameters

```

<400> 4348
taatgaatta acataaatca taaagattct atattttaatt ataaaaacat aaaattatca    60
catcaattta attcttataa gttttatacat actgcataat gactttgaaa acagtataac    120
tcaaaataat agaaaacaaa attgggtgca atgaagtact actgaatttc aggtatttct    180
gtgacaacac aaattttaaaa ttttaataaaa tattaccttt tcttagcaaa aagggttttt    240
aagccagatt atccttttcat gttttaaatg aagcttcttc taaaagaagt cctttttattc    300
acagttgcaa atttcttttt aacacataca atgtatacta catgctggaa tcaaacacct    360
gaaggagctg gaatcttatg aatacagcca gggcaacagt gtagagaatc atgaacaaaa    420
acatcacagt ccacacagaa aacatttttg caccacagc acacataaac atgttgggtct    480
ttcaattccc cctgacatcc ataacaaaat ctttctccat tataattcttc taggggaatt    540
tcttgaaaag catccaaagg aaacaaatga tggttaagacc gtgccaaagt gggagcagac    600
accaaagtaa gaccacagat tttaactca acaggtagct cacagtactt tgcccgacac    660
tgtgggcaga aatagcctcc taatgtaagc cctggctcag tattgccatc caaatgcgcc    720
atgctgaaag aggggttttg atcctggtca gataaagaag caatggtgtg ctgaggaaat    780
ccttcataga agaaaatgta ttactttctt tttccaagca aacagcagaa ttctaggact    840
aagaacctaa aaatgttctt ctcaaaaagc caatgaagtt gtacaaaata tcactttact    900
gcctttcaga taagcttatt atagcatgat gaaactgact aattccaagc tacaagaaaa    960
agtagaggaa acgggggaaa gacctgtcta tataatgacct cagattttga agttcaaaaa   1020
aaaaattttt tttttttttt ttcttgagat ggagtcttgt tctgtcacc caggctgggg   1080
gcagtggcat gatctcggt cactgcatcc tccactgcct ggggttcaagc gattctccca   1140
cctcaccttc ccatgtagct gggattacag gcatctgcca ccatgccag ctatatattt   1200
tctaacttaa tgattaacac tactttttta ag                                     1232

```

```

<210> 4349
<211> 2617
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (7)...(767)
<223> similar to gi4432821 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4349
ctgggagcac gctgctggtc actctatggc cgctgctacg tccgccactt caacgagctg    60
gagcacgagc tgcagtcccg cctcaaccgt ggctacaagc ccgcctccaa gtacatgaat    120
tgcttcttgt cacctctttt gacactgctg gccaagaatg gagccttctt cgctggctcc    180
atcctggctg tgcttattgc cctcaccatt tatgacgaag atgtgttggt tgtggaacat    240
gtgctgacca ccgtcacact cctgggggtc accgtgaccg tgtgcaggte ctttatcccg    300
gaccagcaca tgggtgttctg ccctgagcag ctgctccgcg tgatcctcgc tcacatccac    360
tacatgcctg accactggca gggtaatgcc catcgctcgc agaccgggga cgagtttgcc    420
cagctcttcc agtacaaggc agtgttcatt ttggaagagt tggtgagccc cattgtcaca    480
cccctcatcc tcatcttctg cctgcgcccc cgggccctgg agattataga cttcttccga    540
aacttcaccg tggaggtcgt tgggtgtggga gatacctgct cctttgctca gatggatgtt    600

```


cgccagcatg	gtcatcccca	gtggctatct	gctgggcaga	cagaggcctc	agtgtaccag	660
caagctgagg	atggaaagac	agagttgtca	ctcatgcact	ttgccatcac	caaccctggc	720
tggcagccac	cacgtgagag	cacagccttc	ctaggcttcc	tcaaggagca	ggttcagcgg	780
gatggagcag	ctgctagcct	cgcccaaggg	ggtctgctcc	ctgaaaatgc	cctctttacg	840
tctatccagt	ccttacaatc	tgagtctgag	cccctgagcc	ttatcgcaaa	tgtggtagct	900
ggctcatcct	gccggggccc	tccactgccc	agagacctgc	agggctccag	gcacagggct	960
gaagtcgcct	ctgccctgcg	ctccttctcc	ccgctgcaac	ccgggcaggc	gcccacaggc	1020
cgggctcaca	gcaccatgac	aggtctctgg	gtggatgcca	ggacagccag	ctccgggagc	1080
agcgtgtggg	aaggacagct	gcagagcctg	gtgctgtcag	aatatgcatc	cacagagatg	1140
agcctgcatg	ccctctatat	gcaccagctc	cacaagcagc	aggcccaggc	tgaacctgag	1200
cggcatgtat	ggcaccgcgc	ggagagtgat	gagagtggag	aaagcgcccc	tgatgaaggg	1260
ggagagggcg	cccgggcccc	ccagtctatc	cctcgctctg	ctagctatcc	ctgtgcagca	1320
ccccggcctg	gagctcctga	gaccaccgcc	ctgcatgggg	gcttccagag	gcgctacggg	1380
ggcatcacag	atcctggcac	agtgcccagg	gttccctctc	atttctctcg	gctgcctctt	1440
ggaggggtgg	cagaagatgg	gcagtcggca	tcaaggcacc	ctgagcccgt	gcccgaagag	1500
ggctcggagg	atgagctacc	ccctcagggt	cacaagggtat	agacaagggt	gagcaggggt	1560
cctgtggccc	aggatggagg	ccaccgctgc	cctgccatcc	cgtctgcctg	ccatgggacg	1620
gctcctctga	gtgttccctg	gccccacgtg	tgtggtgttt	gtgtgtctgt	gcctggccaa	1680
gggaggtgcc	aacactgggc	ttgccacagc	cccaggagag	gaatttgggg	cctaggaacc	1740
gagggcacac	gggactctag	cctcatcccc	agaaccccct	tggtctagag	tgtggtgcta	1800
gaaactggtc	cccagcccag	cccagttact	gccaccttta	cacctacccc	tgcaagtccc	1860
cagagggctg	cccacgatag	aagctgcca	gcagggagaa	cctgtgcca	ctgtggagtg	1920
gggaggttgg	gcctggaccc	tcaaccccct	caaccttccc	tagccccctc	aatagatgag	1980
caggtcaggc	tgtggccctt	acctcacccg	cagttctcgc	ccagtgcctg	agccggctca	2040
cctctctccg	cttcttgcac	atcactggcc	tgtgtgtgct	gcttgctcct	gttctgttcg	2100
cttgctcccg	ttccgttcgg	cttttgcttt	gcgttagggg	gaagacccta	gcgtccagct	2160
cccctcaacg	ctatatattt	acactaaaa	agaaggtttc	taaattgtag	gagcaggatg	2220
gaaatacttt	gctgcccttg	ccatctttta	ggatgggccc	ccaggagact	gaggtcttcc	2280
tgggccctca	ttgctgctta	tcgtaccccc	catcacctgc	acatgggaca	gaccgggctg	2340
gagggtgacc	ttggctgtgt	acgtcccagc	aaaagagctc	tggtccgcct	ctcgctgtgc	2400
cctgaagggg	gatgaagggc	gatgcctcgc	ccgaggtctt	gggtgctgct	actgcatgct	2460
gggactgctc	ctactctctg	tcccacccc	caccagctgc	tggtccggct	ttgggagagt	2520
ggtgaattgc	gctgcccga	ctcggagcgg	agcagggtag	ggaccgtgta	cagcttgata	2580
acccttaata	aaaaggagg	ttgaccgaaa	aaaaaaa			2617

<210> 4350

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(251)

<223> similar to gi387048 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4350

tatatatgta	atgaactaag	tcagcctgta	acgttccctg	tcagagcagc	attagtcagg	60
cagtcttgtt	ctcagttact	ttggctgtta	aagaaatcaa	acaggtacag	cctgactatt	120
tggactggaa	aaaatgataa	ctattccggt	gaagatttac	tttacattag	agaccatttt	180

gacaaaaaac	aagtttttcta	tgacatcttg	gaaccacaaa	accatgaatt	taaacaagcc	240
attggaatca	aagttaatct	ctaagaagaa	gattctcaat	tatttcctgt	gttttggttt	300
cataatcctt	ctctccattg	gtctgaatta	attaccatat	aaattatggt	tattgattga	360
cgttccaagt	catctaataca	aa				382

<210> 4351
 <211> 1790
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (145)...(1362)
 <223> similar to gil754515 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4351						
tgatccgatc	ttgcaactccg	tcaactgtggc	tgactgcatt	gtcacattca	cttggcggag	60
gccaatttcc	tacaggtgct	ttcaggatca	ggtcactgcg	atgggtctcta	aacaccattc	120
tgctttctct	gctctcttgt	ctttaggagc	cgggtgtggg	ctgagccctg	cctgattgat	180
gctgccaagg	aggagtacaa	cggggtgata	gaagaatttt	tggcaacagg	agagaagctt	240
tttggacctt	atgtttgggg	aaggatatgac	ttgctcttca	tgccaccgtc	ctttccattt	300
ggaggaaatgg	agaacccttg	tctgaccttt	gtcacccctt	gcctgctagc	tggggaccgc	360
tccttggcag	atgtcatcat	ccatgagatc	tcccacagtt	ggtttgggaa	cctggtcacc	420
aacgccaact	ggggtgaatt	ctggctcaat	gaaggtttca	ccatgtacgc	ccagaggagg	480
atctccacca	tcctcttttg	cgctgcgtac	acctgcttgg	aggctgcaac	ggggcgggct	540
ctgctgcgtc	aacacatgga	catcaactgga	gaggaaaacc	cactcaacaa	gctccgcgtg	600
aagattgaac	caggcggttg	cccggacgac	acctataatg	agacccccta	cgagaaaggt	660
ttctgctttg	tctcatacct	ggcccacttg	gtgggtgata	aggatcagtt	tgacagtttt	720
ctcaaggcct	atgtgcatga	attcaaattc	cgaagcatct	tagccgatga	ctttctggac	780
ttctacttgg	aataatttccc	tgagcttaag	aaaaagagag	tggatatcat	tccagggtttt	840
gagtttgatc	gatggctgaa	tacccccggc	tggccccctg	acctccctga	tctctcccct	900
ggggactcac	tcatagaagc	tgctgaagag	ctagcccaac	tgtgggcagc	cgaggagctg	960
gacatgaagg	ccattgaagc	cgtggccatc	tctccctgga	agacctacca	gctgggtctac	1020
ttcctggata	agatcctcca	gaaatcccct	ctccctcctg	ggaatgtgaa	aaaacttgga	1080
gacacatacc	caagtatctc	aaatgcccgg	aatgcagagc	tccggctgcg	atggggccaa	1140
atcgtcctta	agaacgacca	ccaggaagat	ttctggaaaag	tgaaggagtt	cctgcataac	1200
caggggaagc	agaagtatac	acttccgctg	taccacgcaa	tgatgggtgg	cagtgaggtg	1260
gcccagaccc	tgcccaagga	gacttttgca	tccaccgcct	cccagctcca	cagcaatggt	1320
gtcaactatg	tccagcatg	cgtggcacc	aagggcagtt	agaggctcgt	gtgcatggcc	1380
cctgcctctt	caggctctcc	aggctttcag	aataattgtt	tgttcccaaa	ttcctgttcc	1440
ctgatcaact	tcctggagtt	tatatcccct	caggataatc	tattctctag	cttaggtatc	1500
tgtgactctt	gggcctctgc	tctggtggga	acttacttct	ctatagccca	ctgagccccg	1560
agacagagaa	cctgccca	gctctccccg	ctacaggctg	caggcactgc	agggcagcgg	1620
gtattctcct	ccccacctaa	gtctctggga	agaagtggag	aggactgatg	ctcttctttt	1680
ttctctttct	gtcctttttc	ttgctgattt	tatgcaaagg	gctggcattc	tgattgttct	1740
tttttcaggt	ttaatcctta	ttttaataaa	gttttcaagc	aaaaaaaaaa		1790

<210> 4352
 <211> 900
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(901)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (13)...(169)
 <223> similar to gi3885834 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4352

cccacgcgctc	cgggtgagtg	tgaaggagaa	catcatgaaa	aagctgtaga	actgctgaaa	60
gccgcacaag	gaaagggttaa	attagtggtta	cgatacacac	ccaaagtctt	agaagaaatg	120
gagtcgcgct	ttgaaaaaat	gagatcagca	aaacgcaggc	aacagacctt	atacatttca	180
aaacttgata	tttcattttg	cgtttttagct	agagaagttt	tccttggtgac	ttactaatgg	240
ctgcaatgcc	aatgattgta	agaaaacaaa	caaatttatc	atgaaattct	ccttggtcatt	300
ttataaatgc	ctatttttaac	atcattttatg	gttccagaga	tgcatacaact	tttttctgac	360
aagaaaaagt	aaaagggtgat	gagggcaatt	ctgtcctact	gtttttacag	gcctttttca	420
aatgcaaat	ttgtcataaa	gttggttatag	attttttaaa	atgctttttt	aatattaaaa	480
tgtactttta	cattcttaaat	cttttttttag	aaaggaaaag	ttttcttcat	ttagctgctg	540
atttaaaagt	aaagtctctcc	aattcttttt	ttttgcttac	tctatttttt	ttaacctgtg	600
aaatttcttt	acagtttttcc	aagaaattaa	gcataacagt	ctcatctacg	gcagttcatt	660
acactgtcaa	tgtaaacatc	attgctgcat	tttgactttt	gaacacacac	ataatatata	720
taaccagtgg	taaatcatga	ctcagtagag	tgcaagtttt	ttcactttta	cttaaacata	780
atatataatg	gatattcatt	tatactgatt	tatgaaagta	agtttttaaa	cactgaaaca	840
atcattgcta	aaatacatat	tcttaatat	tgagcattga	ggnnagagga	tgnaattgat	900

<210> 4353
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (12)...(340)
 <223> similar to gill136412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4353


```

gcttcacttt gtcagcgacc tgtctcgggg tgcagatgtg tctccacatg ccgaggagtt 720
tgcagaacat gctgtagggc cccatcttgg ccaccttctt gagtttccca tagaccgaga 780
gctccgcata tgtcatcccc atatcttctt cgtcgggtctg ggacacctgt ccatcagcca 840
agggtccag ctctgcggtg gccggcgcca acaggatgct ctgcagggca ggaagctgga 900
agcgctggat gcagaactgg acgaaggccc tgagggtccgt cttgctgatc ccgcctatgg 960
ggttgatgtc cgcactggag cagtcgtact tggtcaggta gcccaggaga ctctcatcca 1020
cgttggcgga tcccagcacg aggagccac cgtggacacc ccgagaccag aggctcaact 1080
gagcaaacag ataggcgagg accatccgta ttcgagcctg cacattttgc agcgccagggt 1140
tttccctgct gcttcctcca tgagctgcaa acagagggtt cttccccgtc accaggctga 1200
agatgcccac gacggccttc acggctggat cgatgttgag actgatgtgg tggcttccaa 1260
tctgctgggc caactctctg gcccggtgc acgtctcctg ggaggagttc ttgctggcca 1320
tgtagcagggt ggtcagtatg cgtccacaga ggtctcgggg atcctggggg gtgtagctga 1380
tctgggtcac gatggtgcgg acatcagcca gcacttctc atttccactc ctcacggcct 1440
cgcagacctg gcagcacatg gagtagatga ggaggcgggt ggctgcgctg tccacccgc 1500
cactcaaggg cagcaaaaac cctgcctggt gacttcgtct taaaaaatcc cagagccagc 1560
aggcagggtcc aaggcttatc tcctcctcag ggctgtggta tttccactcg atgggctcag 1620
agatgggtgc cagcaagtcc tcgtggcacg agagggcaaa gtccaccttc actctggggt 1680
aggggctcgc cctgctggct tgaatctacg aggcagagggt tgtgctgagc tgggattgcg 1740
ccattgtact ccagcctatg gtagttcaca gcaagggtga aactccgtct caaaaaacaa 1800
acaaaaaacc                                     1810

```

```

<210> 4357
<211> 1216
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1217)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (3)...(808)
<223> similar to gi2828262 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4357
gctctgtgta tcacatcaat cacgggaacc ccttcaacat ggagggtgctg gtggattcct 60
ggcctgaata tcagatgggt attatccggc ctcaaaagca ggagatgact gatgacatgg 120
attcatcac aaacgtatat cgtatgttct ccaaagagcc tcaaaaatca gaagaagttt 180
tgaaaaattg tgagatcgta aactggaac agagactcca aatccaagggt cttcaagaaa 240
gttttaggtga ggggataaga gtggctacat tttcaaagtc agtgaaagta gagcattcga 300
gagcactcct cttggttacg gaagatatcc tgaagctcaa tgcctccagt aaaagcaagc 360
ttggaagctg ggctgagaca ggccacccag atgatgaatt tgaaagtga actcccaact 420
ttaagtatgc ccagctggat gtctcttatt ctgggctgggt aaatgacaac tgggaagcgag 480
ggaagaatga gaggagcctg cattacatca agcgctgcat agaagacctg ccagcagcct 540
gtatgctcgg cccagaggga gtcccggtct catgggtaac catggaccct tcttgtgaag 600
taggaatggc ctacagcatg gaaaaatacc gaaggacagg caacatggca cgagtgatgg 660
tgcgatacat gaaatatctg cgtcagaaga atattccatt ttacatctct gtgttggaag 720

```

```

aaaatgaaga ctccgcgaga tttgtggggc agtttggttt ctttgaggcc tcctgtgagt 780
ggcaccaatg gacttgctac ccacagaatc tagttccatt ttagacaatg aagctgctta 840
gtaatctctg ccaagccatc tcttaatat aaagcagaca ccacagaata gatttcttca 900
cttacaaatg catattgggc acttataata cagcaggaac tcttctcacc tggagccttg 960
atgttaaaaag acacagccat gctcttgagg agcttacaat cctggctgga ggcaggggag 1020
ggtatatctt ttaaatatgc ttaagtgtta tagggaaaga cgggggttacc agtacacatg 1080
taactagaaa gccaggtca gttcttacct ctgggaatca gaactcttta tgcaacttgg 1140
ttaatagaat ctactatctg gaagataaag aaggattgta atataannna ggggnntcga 1200
tgcaagggag gcccca 1216

```

```

<210> 4358
<211> 1095
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(799)
<223> similar to gi4159888 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4358
cgaaaacatg agagaactca cactggagag aagccatatg gatgtcatct atgtgggaaa 60
gccttcagta aaagttctaa ccttagacga catgagatga ttcacactag agaaaaagca 120
cagatatgcc atctatgttg gaaagccttc actcattgct ctgaccttag aaaacatgag 180
agaactcact taggagataa accatatgga tgtctcctat gtgggaaggc tttcagtaaa 240
tgttcttacc ttagacaaca tgaaagaact cacaatggag agaaaccata tgaatgtcat 300
ctatgtggaa aagccttctc tcattgttct caccttagac aacatgagcg aagtcacaat 360
ggagagaaac cacatggatg tcatctatgt gggaaagcat tcatgaatc ttctgtgctt 420
aaacgacatg agagaattca cactggagag aaaccatatg agtgccatgt atgtgggaaa 480
gccttcactg aatcttctga cctcagacga catgagagaa ctcacactgg agaaaaacca 540
tatgaatgcc atctatgcgg aaaagccttc aatcactctt ctgtccttag acgacatgag 600
agaactcaca ctggagagaa accatatgaa tgcaatatat gtggtaaagc cttcaataga 660
agttacaact ttagacttca tagaagagtt cacactggag agaaaccata tgtatgtcct 720
ctatgtggga aagccttttag taaatttttt aaccttagac aacatgagag aactcacact 780
aaaaaagcaa tgaatatgta agaatcatca gctgtagcgt taacactaaa tacaccaagg 840
acaaacatac tacaggaata ttatgtctgt aatcagtgtg gaaaagcctt tatttatatt 900
taccactttg ctcaacctaa atgaattcaa ggtagagaga atccagatgt atttaattgtt 960
tatggcacia acttcagact ctaggctgac catatacaac gtgagagaat gaaactatag 1020
atcaaaggaa tgtggaggag tcttcatcca cagctctgtt aaataaatgg gagaaatccc 1080
atcccgaaaa aaaaa 1095

```

```

<210> 4359
<211> 962
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (743)...(823)
 <223> similar to gi3851654 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4359
 acttatgaaa gaccattgta attctagctt tttctgttgt gtccatgttc tttttccttt 60
 acaaatctac cctgatgttt tgtattgatt actttgccct ttgatgtcat tcatcaaata 120
 ctttggtggt attcattcta cttttgtggc tctgcatatg atctgcagtg cttactttta 180
 attaagttgg cagttaggta tcaatggtgg aaattagggtg tttatgttcc ataacataaa 240
 cattatcata acattactaa gacttaatgt tttagtaatt agattgtcag tctacctatg 300
 taactgtttc cttagagaaa atcaggatag aagacagata aaatactagt tacctaaaaa 360
 tttaaataaa tctattgtta ggattttctg gtaacaaatt acttggtat ttattttctgt 420
 aagaaaagtt tgggaaggctt tccacagcat ttgctgtatt tcttgaaggc agaagaaaaa 480
 gtaagtacca tgctaacaat gtaaatttgt aaggcccttc ataaatttgc acaatgcctt 540
 cttacttgct caagacactt gtgatgtatt aattgctctt attcatattt acgaatcagg 600
 agtataagac ccaaagaaat agccaagagc acagaggctg gaactgagct ttttctgaaa 660
 caagaaagct gtctgaggat tctccaatg ctttagaacc tggtaatttt attaatattga 720
 tgtttttaaa aatatgttta tacagatgct tgcattgggc aatcaagttg gcaaacttta 780
 tgtttggtat ttagaagtag aagatcctca taaagccaag taagtattta gaaatttctg 840
 ttcaaaattt caggcttttt ctccacactt gtatgccaat gtagagaaga tcatttatat 900
 ttgcagtgcc atccttaagt catttttaac atttactgtt ttcagagata aagttattct 960
 tt 962

<210> 4360
 <211> 1952
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)...(309)
 <223> similar to gi4927194 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4360
 cggacgcgtg gggaagaaac ctatgcaaat tttataaagc acaatgatgg caaaaatatc 60
 ttctatgctg ctctgacccc agccacactg tttgcggtca tgtttgctat gtatataatc 120
 tcaggactga ctggcttcat tggcctaaac tctatagctg tcttgtgtaa ccttgctatg 180
 gggttagcac tgatatttct ttgtacttgg gcatatgtta aatactctgg ggagttcaga 240
 gaaattggaa cagtgattga tcagattgct gaaacactat gggaacaggt attgaagccc 300
 ctgggtgata atttgatgga ggaaaacata aggcagtctg taacaaactc tatcaaagca 360
 ggcctgactg accaggtgtc tcatcatgcc agattaaaga cagactgaca gttcatctcc 420
 tcacggactc cactctcttt ttttttcatg cttgctgtac aatgagaact caaataaaaa 480
 taaaccaaag tttacaatca actgtagaag tagtttagtg taactggctt cacagatggc 540

tgccacagag	tgtgaagatt	gtttgttagt	tttaagcatt	cttttaatgg	ctcctaagac	600
atgcagatgg	actgaggagc	attgggtaaat	catgcacctt	tgtgccatgt	ttaactcttt	660
tatttctttt	tacttaaatct	aatgttagtg	aatttgtctt	atgtaaaagg	atatttcagg	720
gaaatatttt	cagaaatcta	tttagagtct	ctttaacaca	gtgtcccatt	gaaattttta	780
tttttagaga	atttatgaat	cactgtttca	agaaccagat	tggaaagaca	atgaagcctt	840
tattgagcca	ctacattaaa	agtatatatt	gctttactgc	cttcaatacc	agtattacat	900
aaatgcatgt	atcagaaaact	tcacagaaat	tacatggcaa	ctcttgtagc	taagaaagta	960
attctgaggt	gtacattttgt	cttgcccttt	taaatttata	aacttgccct	aaaaggagat	1020
gcatactctg	gaaactgaac	tgtctttttg	cagtttagcc	ttcatgtata	taaaatatgc	1080
cattaatttt	attggggaag	aaattccatc	caaaaatggt	gcctacagct	atgagttaag	1140
agtgtctgta	cagtgtgtag	cttttatttt	ctaaaatcac	agatagggca	tgtatatgac	1200
ttataaatat	ataaatacga	ttttgtatta	aaagttttgt	agtttatggc	aaaatctggt	1260
cctgtggtag	gctaaataag	tactgtccct	gtgaaaggaa	tgtttgtggc	tcatgtcagt	1320
gtgtgaatgc	atagacaatt	tgaagttttt	gatataattg	tgataattat	cttgagcact	1380
gcaatctcac	cccccccccg	cccaccaagg	gaattcaatg	ggaatgttta	ttgtgacttt	1440
gtcctctgtt	gcatttttaa	gttatttcct	gtaatttatt	ttcagtacat	aattaaaaat	1500
ttgttgata	tataaaatga	aacttgtgat	tcttttttaa	ggaatttttc	aagtatgtat	1560
tccacttcat	aaaccacatt	tgtttatagt	gaaaagagca	tgagcaggaa	acaccccagt	1620
tgagagctct	aaggcattgt	acctcaaaac	taagcttgta	aaaagttact	tttctgtgtc	1680
tgtctctata	agggaaaacc	tatgattagc	ctagttgtag	atggggattg	ttaatttctt	1740
tctctctctt	tttttttttt	tggggggata	tgaaagggta	acattttttc	aaaacttttg	1800
gggccttttt	tgggaacccc	gataaaggcc	ctagtttttg	tgggtttttt	tttgaaaagg	1860
gatttttttt	ttgccccccag	ggtggaaggg	cgggggggcg	atcttggttt	aatggaaccc	1920
cccccttcgg	ggttaaaggg	aatttcccc	cc			1952

<210> 4361

<211> 928

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (917)...(271)

<223> similar to gi200407 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4361

ccaccactcc	tggggggcat	ccaccattaa	aactcacatt	tcctaagag	tcagtcacac	60
actgaaggaa	tgccttttgt	attcggggccg	ttatttggac	cctttaagtt	tatcctctct	120
gttataacat	agacaagaaa	gagggagaat	agatcagggc	ccaaattgag	ccactgacgc	180
ccagggtttt	tctatttggg	gtgcttgaag	acagtaccaa	tgaaaatgtg	caagggagca	240
gctgaacacc	aaagactact	tcctaaatca	aatgggtgtt	ttgatggcat	aaaagatgcg	300
ctttctgacg	gaagctcttg	ttacattttac	tacagtggaa	agggttttct	cctgtatgcg	360
ttctctgggt	tgtgaggaaa	tgggaacgct	gattgaagg	cttgccacac	tcaggacatc	420
gatagggcct	gtctcctaag	tggattcgct	gatgggtaat	aaagtgggag	ctctgattga	480
agctcttccc	acactctcca	catttgtagg	gtctttctcc	ggtgtggatt	cgttggtgct	540
taatgagggc	ggagctgtcg	gcgaatcctt	tcccacagtt	ttcgacttta	aaaggtctct	600
cacctgtgtg	tgttcttttg	tgcgtgacca	aatgtgagct	ctgactgaag	cttttgtggc	660
agtcaggaca	actgaaaggc	ctctctcctg	aatgagtgtc	catgtgagct	acaaaatgag	720
aactatctct	gaagcccttc	ccgcactccg	ggcatttgaa	gggccgttct	cccgtgtggg	780

ttcgttggtg	cttaatcaaa	tccgagctct	ggctaaaact	ctccccacag	tcattacacc	840
tgtaaggctt	caccctgtg	tgggtcctct	ggtgagtgat	gaaatttgag	cttcgactga	900
agcttttgtg	acattccag	cccgcctt				928

```

<210> 4362
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(173)
<223> similar to gil57535 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4362						
atggagatag	ttgtgctgtg	tgcattgaat	tgtataaacc	aaatgatttg	gtacgcatct	60
taacgtgcaa	ccatattttc	cataagacat	gtgttgaccc	atggctgtta	gaacacagga	120
cttgcccat	gtgcaaagt	gacatactca	aagctttggg	aattgaggtg	gatgttgaag	180
atggatcagt	gtctttacaa	gtccctgtat	ccaatgaaat	atttaatagt	gcctcctccc	240
atgaagagga	taatcgcagc	gagaccgcat	catctggata	tgcttcagta	cagggaaacat	300
atgaaccgcc	tctggaggaa	cacgtgcagt	caacaaatga	aagtctacag	ctggtaaacc	360
atgaagcaaa	ttctgtggca	gtggatgtta	ttcctcatgt	tgacaacca	acctttgaag	420
aagacgaaac	tcctaataca	gagactgctg	ttcgagaaat	taaatcttaa	aatctgtgta	480
aatagaaaac	ttgaaccatt	agtaataaca	gaactgccaa	tcagggccta	gtttctatta	540
ataaattgga	taaatttaat	aaaataagag	tgatactgaa	agtgctcaga	tgactaatat	600
tatgctatag	ttaaatggct	taaaatat	aacctgttaa	cttttttcca	caaactcatt	660
ataatatttt	tcataggcaa	gtttcctctc	agtagtgata	accacatttt	tagacaattc	720
aaaactgtcc	ttcaaga					737

```

<210> 4363
<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (665)...(269)
<223> similar to gil732423 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4363						
tttttttttt	ttctataaca	acatctctta	ctattttttac	ttgaaaaaat	gttttgcgta	60

gatgagctct	aagaaaaaac	ttacaaaaaa	gactgaaagt	caaagccaaa	aacgttcatt	1620
gcactcagta	tcagaagaac	gcacagatga	aatgacacat	aaagaaacaa	atgagcagga	1680
agaaaagattg	ctcgccacag	cttccttcac	taaatcatcc	cgcagcagca	ggactcggtc	1740
tagcaaggcc	atcttggtgc	cggacctttc	tgaaccaaac	aatgagcctt	tattttctcc	1800
agcgtcagaa	gttccaagga	aagcaaaaagc	taaaaaaata	gaggttcctg	cacagctgaa	1860
agaattagtt	tcggttttat	cttctcagtt	tgtcatctca	cctcctgctt	taaggagcag	1920
acaaaaaaac	acatccaata	agaacaagct	tgaagatgaa	ctgaaagatg	atgcacaatc	1980
agtagaaaact	ctgggaaaagc	caaaaagcgaa	acgaatcagg	acgtcaaaaa	caaaaacaagc	2040
aagcaaaaac	acagaaaaag	aaagtgcctg	gtcacctcct	cccatagaaa	ttcggctgat	2100
ttcccccttg	gctagcccag	ctgacggagt	caagagcaaa	ccaagaaaaa	ctacagaagt	2160
gacaggaaca	ggtcttgga	ggaacagaaa	gaaactgtct	tcctatccaa	agcaaatctt	2220
acgcagaaaa	atgctgtaaat	ttcttgggaa	gattttaatg	tacacctatt	tgtaaagtca	2280
tcagaatagt	gtggattatt	aaatatctag	tttggaaaga	aataatttat	ataaattatt	2340
gtaaatctttt	atgtaaacag	aaggtcttca	ataagttaaag	taactccata	tggagtgatt	2400
gtttcagttcc	aggcaatttt	tctattttat	attaagactt	catacattta	tatatgtaaa	2460
tatggcttat	taatggaatg	ttaataaaaa	tgtatacttc	acagtcgttt	gtgtcttgga	2520
tttttgaaaag	ggaggggata	tctgttttaa	tagttttata	tgctcattgg	tctcattttc	2580
tctataatta	aaataactaga	ccagtcttaa	aatggggatg	attgaagtat	tgatatttct	2640
ttttacagtt	actattttat	aatttatgca	ctttgattct	gtgattcaga	tttctaataca	2700
gaaaatgtat	ttttttgtt	tttggtgtt	actatgttaa	aattgaatta	tgggcatgtc	2760
attttgccat	ctttgtagtt	tcacaaaatt	tgtgtaatct	acctcaaattg	aataatccaa	2820
gtattggtta	aaaaaaaaa					2839

<210> 4365

<211> 1125

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (51)...(396)

<223> similar to gi4038594 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4365

attttgcaag	gcagatccag	cgccggttca	aagacactat	tataaatgcc	aagtatggag	60
ggcacacaga	ggcagtagc	cggtctgtg	gtcagctccc	catcagtgt	cagtcttaca	120
gcggtagccc	ctatctggat	ttgtctctct	tcagttatga	tgacaagtgg	gtatctgtca	180
tggagcggcc	caagacttgt	ggagatcacc	caatcaggtt	ctatgcccgg	gactcgggcc	240
tgctcaagtt	tgagatccag	gcgggggttat	tgggccgccc	catcaaccac	acagtgcgac	300
gccttggtgc	cttcaccttt	cacctttttg	agcctttcgc	tatttctgtg	cagaggacta	360
atgctgagta	tgttgtcaac	ttccatatgc	gacactgctg	cacgtagggtg	cctcaccaga	420
gccagattat	ctggtcttcc	aagactttgc	cactcactta	tctcagtggg	ctccaaagca	480
aaagctcccg	actactagct	ctgttagttc	cagcctgcta	tacctcagat	gggagagagc	540
cagagagagg	agtgagggtg	gctcaacctta	atggaatttt	taaattgtat	acaatactgc	600
tactgattgt	tataatatcc	tcttgcgttt	tccctgtggg	aatgcccgagc	attaattaag	660
tccatttcat	ttttgcttta	ctttgcattt	gattgctgtg	aagatgaaag	cattagactt	720
ttatcccctt	catgtcactt	cttcggcatt	atgggttgca	tctgaaagca	gttaaatctt	780
gtttactgat	gagaatgaca	tacatccttt	ccatttagct	cataagcacg	gctatctttt	840
taagagaaaa	ataaagccat	ggtattttta	tacttaaata	tatgtggttg	gatgactgct	900

ttatgttcct	atcatactca	atgctttcaa	gtacttgggt	tccaggaagg	actgtgaaag	960
agatgagagg	ccatggatgc	agcagctggt	cctgggagaa	ctaagtggga	cagtggagac	1020
agatgaagga	agggcagaaa	aagaaaaata	tactgtggaa	gagcactgga	gttggatcaa	1080
tgggaatgtg	ttgtatgacc	aagagttgaa	gatgtttcaa	ggaga		1125

<210> 4366

<211> 1939

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)...(542)

<223> similar to gi2394453 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4366

cggacgcgtg	ggcggacgcg	tgggctgggt	attaaaaagt	gggcaagtca	ccatcagata	60
aatgatgcca	gtcggggtac	tttaagcagc	tatagtcttg	tattgatggg	tttgacttat	120
ttacaaacc	tacctgaacc	catccttcca	tccctccaaa	aaatttaccc	agagtctttt	180
agtccctgta	tacagctgca	ccttgtacat	caagctccat	gtaatgttcc	tccttacctc	240
tcaaagaatg	aatcaaacct	tggggacctc	ttactgggct	ttcttaaata	ttatgctaca	300
gaatttgact	ggaatagtca	aatgatttca	gttcgtgaag	ccaaagccat	tccaaggcct	360
gatgggtattg	aatggagaaa	taaatacatc	tgtgtagaag	aaccttttga	tggaaacaaat	420
acagccagag	cagtgcacga	aaagcagaaa	tttgatatga	tcaaggatca	atttttaaag	480
tcatggcaca	gattgaaaaa	caagagagat	ttgaacagta	tactacctgt	aagagctgct	540
gtcctgaaaa	gataactggg	cctctatttc	ttaattaaat	tcttcccagg	aaataaagga	600
acaatagtgtt	cattcataat	tacattgtgt	ttacctccat	cataggttgc	ttttttcata	660
gttcttggtt	tcatgtttta	tttttaaaaa	gacatataaa	gattgcataat	tttattatga	720
catttcctaa	taaacccctt	tgattttaaa	atgtattttt	aaaaatgttt	acattgatga	780
tgagtaatat	tgcatgtgtt	ttcaggtgat	cagataaaat	atattttggg	aaattaactg	840
aacaaataaa	aagtttttga	tataacttca	attaattgta	ccacatgcta	atcctgaaga	900
gatgtgtaga	attttggaag	gggtctaatt	catacatgct	taaagtataa	cctacgttag	960
atagtttggt	gtcaaagtct	gttctagtaa	agtgaagatt	caagtcagtt	gttcagttac	1020
ttgaagcaaa	acgaaatctt	tcatttcagt	caaatacactg	cagtcatgaa	atactgaaca	1080
attgccttaa	gtccttgctt	gactcactgg	gatagactga	ggctttgggt	gtgtctgtat	1140
tagcatttca	ttagtacttc	acatgctttt	gatgtactct	tgagattgct	ttaaattttg	1200
tattgaaaca	acaatacatt	ttgcactgta	gtaatgggag	cactaaactct	tacaacagtt	1260
agtgaatcgt	tttaaagaat	cagttcagtg	tagacatttt	gaaaagattg	tttcctgtgc	1320
tttacgatag	cttagtgcaa	tgtgcacttc	tgttttactt	gccattttcc	tgctctgttt	1380
tctctgtgac	atgaagcaac	agaaactgag	atcaaagtta	agattatatc	ctgtttgtag	1440
tatcagatat	ttttctgtgt	acaattatag	gattgtaatc	taaactggaa	tttttaggca	1500
gtaagtcacc	acaaaatggt	ttagataaga	cacaataaaa	ttattataaa	taaaagctta	1560
atgtttgtaa	aaaatctctt	tttttagtatt	tcttttttca	catgaaagaa	gtggtggctg	1620
ctaaaaaaa	agctacagtg	tttattaagg	gtccttttga	tttatgtaaa	tatttgtaaa	1680
ttggtcagtg	cctgtaaatt	taaatataaa	aagtaacctt	gaaaacagtt	ttaaactttt	1740
caaaagaact	atgtccaaca	tttttttagac	ctgctgtagt	acagttttgt	acctctaacg	1800
tatttttttt	ttgcagacca	aatgttataaa	cttttgcttt	tctttgactt	gtaaaagggtg	1860
cacattttca	ttttcttcct	taagttcaaa	tttttgtagt	atgtcaaagt	caataaaatt	1920
tatatatgga	aaaaaaaa					1939

<210> 4367
 <211> 1468
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(845)
 <223> similar to gi3881475 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4367
 cccacgcgctc cgcgagcgcg tgggttctca tctgtatcaa cggaacatt tgttccaaaa 60
 caagacttgc cacaggtgaa gagaccacta aaagcatcca ggaccagaca gccatccagg 120
 accaaccttc cagttctgtc tgtgaacgag gacctaatgc actgcacagc atttgcaacg 180
 gcagatgagt atcatctggg aaatctgtct caagatctgg cctccacagg atatgttgaa 240
 gtaacaagct tgcctagaga tgcagcaaat attttgggtga tgggtgtgga aaattctgca 300
 aaagaagggtg atcctggaac aatattcttc ttcagggaag gagctgctgt gttttggaat 360
 gtgaaagaca aaactatgaa gcatgtgatg aaagttctag aaaaacatga aattcagccc 420
 tatgaaatcg cactggtaca ctgggaaaat gaagaactta actacataaa aatagaggga 480
 cagtcaaaac ttcacagggg ggaaatcaag tttaaattcag agctggattt agatgatgcc 540
 attctagaga agtttgcttt ctccaatgct ctatgccttt ctgtaaaact ggcaatttgg 600
 gaagcatcac tggataaaatt tattgaatct attcagtcaa ttcctgaggc tttaaaagct 660
 gggaagaaag tgaaactatc tcatgaagaa gttatgcaga aaatcgggtga actctttgct 720
 ctaaggcacc gtataaaactt gagttcagac ttcctgatta ttcctgattt ctactgggac 780
 agagaaaacc tggaaggact ttacgataaa acgtgtcaat tccttagcat tggccgaaga 840
 gttaagggtca tgaatgaaaa acttcagcac tgcattggaac taacagatct aatgcggaat 900
 cacctgaatg agaagagggc actccgcttg gagtggatga ttgtcatcct cattaccata 960
 gaggtaatgt ttgagctggg acgagtattt ttctgatcaa gtgataacca aagtgtcact 1020
 gcaagagata ttcaagttct acaatcaaaa attaaatgtt cggcccggcg cgggtgcctca 1080
 tgcctgtaat cccagcactt tcggaggcca agaagggtgg cttgagatga gatcaggagc 1140
 tcaagacaag cctggccaac atggtgaaac cccatctcta ctaaaaatac caaaattagc 1200
 caggtgtgtt ggcacacgcc cgctcatctca gctactcagg aggctgaggc aggagaatct 1260
 cttgaacttg ggaggcggag gttgcagtga gctaagatca caccactgca ctccagccag 1320
 ggcaacagtg agactcagtc tcaaaaaataa acaataaaat aaataaataa atgttcacta 1380
 ctgggtgatc atttaatagg tgttttttta atcaagaaat tatctttttc agcccagtat 1440
 atcgtgtgaa aaaaataatg aagaatct 1468

<210> 4368
 <211> 746
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (747)...(319)
 <223> similar to gi4240124 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4368

tttttttttt	ttccggggcc	atgtggtcgg	tttctttatt	gagaccacag	acggtagcgc	60
aggtccctgc	tgtccacatg	ccccttgtag	ggacaggagg	cccttcccga	gtccaagtcc	120
gaatgccggg	tccgggccga	gccacggcc	ccgagtacaa	gtccgggttc	cgggtccggg	180
ccaagcccat	ggccccgagt	ccaagtccgg	atgccaggtc	cgggccgagc	ccacggccct	240
actggctact	actgggagg	gctgcttttg	ctttttggtg	accagatctt	ggacaagcgg	300
aacttggact	tcttcctctg	gaggcccagc	ttctcaatca	tgtcccgcag	catctgatcc	360
tcctcttggt	cccggagccg	gtcctcgtcc	agcgagtcca	cgatgtcact	gcggtcggtc	420
acgggtgctca	cgtactgctc	cagcagctcc	tgctcccgcc	gccgctcctg	cagtgaactc	480
agagcctcgg	gcttggccat	gagccggcgc	agctcgcctc	cgatgtccag	ctgctgctcc	540
tccagacgct	gggccttgga	cttgtagatc	agctctgact	cctgtctcag	cagaagctgc	600
ttctcgtgaa	tgagccagaa	ccagtccccc	atgaggctat	cctcagcgtc	atctccctcg	660
gccgcccga	gtcgtttctc	cagctccacg	ccgaggagct	ccagggcgtc	cagccgcctc	720
tcgatgtcct	gcagctgcct	ctgtat				746

<210> 4369
 <211> 3507
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(2064)
 <223> similar to gi452523 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4369

cacgtggctg	cagcggggcc	agagcagcaa	tggcggcggt	cgccggcggt	agctgcgacc	60
ccctggcccc	tgtggtggtc	ccttgccgct	tctccccgca	cagccaggcc	tacttcgctt	120
tggcctctac	cgacggtcac	ttacgagtat	gggagacggc	caacaaccgg	ctgcaccagg	180
agtacgtgcc	ttccgcgcac	ctcagtggta	cctgcacctg	tctggcctgg	gcgccagcgc	240
ggctgcaggc	caaggaaagt	cccagagga	aaaaaaggaa	atcagaagct	gtaggaatga	300
gtaaccagac	tgacttattg	gctcttggca	cagcagttgg	tagcatttta	ttatacagca	360
cagtaaaagg	agagttacac	agtaaattaa	taagtgggtg	acatgacaac	agagtcaact	420
gcatacagtg	gcatcaagac	agtggctggt	tatatagttg	ttcagatgat	aaacatattg	480
tggaaatggaa	cgtacagaca	tgcaaagtaa	agtgcgaatg	gaaaggggac	aatagcagtg	540
tcagttccct	atgtatcagc	ccagatggaa	agatgttgct	ttcagctggg	cgaacaatca	600
aactatgggt	tttgagagcc	aaagaagtct	acaggcattt	cacaggacat	gcaacgccag	660
tttcgtcact	gatgttcaact	accatcagac	ctcctaata	gagccagccc	tttgatggaa	720
ttacaggtct	ttatttctta	tctggagcag	tacatgaccg	gttacttaat	gtctggcagg	780
tccgatcaga	aaacaaagaa	aagagtgcag	tgatgtcatt	tacagttacc	gatgaacctg	840
tctatattga	cttaactttg	tcagaaaaca	aagaagagcc	tgtcaagttg	gctgttgttt	900
gcagagatgg	tcaagtccat	ctttttgaac	acataattaa	tgggtactgc	aaaaagcctt	960

tgacttcaaa	ctgcacaatt	cagatagcaa	cacctgggaa	aggcaagaag	tcaacaccaa	1020
aacccatccc	tattctagct	gctggttttt	gctcagacaa	aatgtcattg	ttgcttgtat	1080
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<210> 4370

<211> 2521

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(489)

<223> similar to gi4680395 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4370

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gtttgtcaat atttactatg agacaatgga taaaagaaga cgggcactaa ccaggctgta      180
tctggacaag gccaccttaa tatggaatgg aaatgctgtt tcagggctgg atgccctaaa      240
taattttttt gacacattgc cttctagtga gttccagggtc aatatgttag attgcccaacc      300
agttcatgag caagcaactc agtcccaaac tacagttctt gttgtgacca gtggaactgt      360
gaagtttgat ggaaacaaac aacatTTTTT caaccagaac ttcttgctga ctgctcagtc      420
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ataactttta aatggctgga actactcgta taaggactag actgtatttt Tgacatgctc     2460
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a                                                    2521

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<210> 4371

<211> 1146

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1143)...(585)

<223> similar to gi5708202 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4371

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gtaaacatgt	ccttcctgtt	ctcatttttaa	acttgattta	gatttccaat	aatgaaagac	180
aagtgggtgt	gtcacatgtg	tgctagcaat	gtgaaacaaa	tgctattcat	atttctcaat	240
tcataattgc	agtttgattt	ttgatgttag	ttatgggctt	tggattcctc	ttcaatcaaa	300
tcagcttcac	aagttaaagt	gattgttttt	attaattttac	aatgaaatag	tttttgaatg	360
acttcacaca	aaaacctaga	gataacatca	caattgcaat	gttataaagt	ttaaaggcct	420
attcattttca	ctgtcagttg	aaattcgtta	ccagggtgaaa	attctggagc	tgggggttttg	480
cactgaggat	gctacacagc	cactagcctt	tttaatttgg	gctttattaa	cagaaatact	540
gacttagtgga	aattacaggc	ataggcctct	taatcgcttt	ttatgagtct	gaacttttgc	600
tttcaataacc	aaatagtatc	tgaaaaacat	gctcactttt	gtgcttcttg	agaaattcta	660
agaattggcc	cagattcatg	tgatagtcac	tccttaatcc	atagtcacca	tgagcctcaa	720
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actcctcaca	gtgctctttg	aaaccctcca	cacagattat	accaggcttt	cctgtcatgc	900
aaaatccagt	cacatctaac	cttttcccaa	catccaaaat	ctttttcctt	aggtcctgct	960
gatatatatg	gtgactgtag	atccacattc	ggaggaatgt	gttcttgact	ggctttgctt	1020
gtgtagatgg	ttcatataca	agctttctgt	tcaggaaata	agatgcactg	ttgtcctgta	1080
gccactggat	tgctgcacat	acacagagct	cacctggatc	aaaagtccct	atgtaagact	1140
cgtgcc						1146

<210> 4372

<211> 747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(502)

<223> similar to gil653787 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4372

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cttgcccttta	aacgagaggg	ttacagaccc	tttgacttca	gtgccacaga	tgttatggat	180
ataattatca	atagtggctt	gattaaactg	gcatcccaga	atttttccta	tggagttact	240
gaaatgtata	aagcatgttt	tcttggtgca	acagtgaagt	atcttcaaaa	attcatccct	300

gaaattacta	tcagtgatat	acttaggggc	ccagctggag	taagagccca	ggccctggat	360
agagatggaa	atctggtaga	agattttcta	tttgatgcag	gagttgggga	tattggaaat	420
cgatttcttc	atgtgagaaa	tgcaccttct	cctgctgcta	cttcttccat	tgcaatttct	480
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aattagccag	gcatggtggc	gcatgcctgt	agtctcagct	actcaggagg	ctgaggcagg	660
agaatcaatt	gaaccgagca	gacggagacg	gagtttcact	cttggtgccc	acgcttgagt	720
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<210> 4373
<211> 1912
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1647)...(1151)
<223> similar to gi4809337 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4373						
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taacaaacta	ggactgccat	tcaattccat	ttagatgaga	tcctttgctt	cttagtatac	180
caagccaaaa	agtaaaaaca	agtcaagcat	gagaagcaat	ggtagaaact	gataatattt	240
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gaagaagaga	tctaattgtt	caccatgttt	atttgatata	atgatttctt	agtccttaca	360
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gaacagaata	tgagggaaca	agcagagggt	gcagaaaata	gaaagatggg	gaaagaaaga	480
tgctgttgaa	gacacagagt	gagtgtttat	atgaaccctt	ctctaaataa	gcagtatcaa	540
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goggcacaca	attccctctc	tatgtaaagc	atcaagggtc	accaccattt	cagctgcccc	1620
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gtcctcaaaa	atctgatgta	tttcttgtc	tccttctagc	actaaaccac	tttcaccctt	1740

agtctcagag	tctctctgga	ataaagaagt	tggttcctct	ttagccaaat	catcagtctg	1800
atctgtaaac	agcaatactt	cttctgtttt	taaagtgtct	gtgcttgcaa	tatattcatt	1860
agcacctgag	agtggactac	aaatacggcc	cacgcgtccg	cccacgcgtc	cg	1912

<210> 4374

<211> 1740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (248)...(644)

<223> similar to gi3882281 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4374

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taaaaat	ttttttaaat	cttggccaaa	taaatgattg	tttttcaaat	gaatattttt	180
tattttac	cttttctttt	cctgttctct	tacttctttt	cttccttttt	tgtgtccctt	240
cttttaga	tccaaggctt	gcgagaaggt	catttccgtg	ggtcaaacgg	tcatcacgaa	300
gcacgggaa	accgggtatt	acagttgcag	agtgatggct	gtgacatcgc	agaccttcta	360
tgaggtcac	tttgatgatg	gtcctttag	cagagacaca	tttcttgagg	atatcgtgag	420
ccgagactgt	ctgaagctgg	gcccacctgc	tgagggagaa	gtcgtccaag	tcaagtggcc	480
cgatggcaaa	ctctatggag	caaaatat	tggatcaaat	attgccaca	tgtaccaggt	540
tgagtttgaa	gatggatccc	agatagcaat	gaagagagag	gacatctaca	ctttagatga	600
agagttaccc	aagagagtga	aagctcgatt	ttccacagcc	tctgacatgc	gatttgaaga	660
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aaatatgctt	tgatgcatag	ttttgaacta	atgtaacatg	at	tttaaaacag	1680
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<210> 4375
 <211> 4013
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(456)
 <223> similar to gi3219332 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4375

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cgctccgctt	tccttctgga	tgtctttggg	ccgaagcatc	ctgctctgaa	gatcactcgt	120
cgctatgcct	tcgcccata	cctaacggtt	ctgcagtgtg	ccaccgtcat	tggcttttct	180
tattgggctt	ctgaactcat	cttggcccag	cagcagcagc	ataagaagta	ccatggatcc	240
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atcctggcca	cggcagccaa	cctcctgcgc	cactacccca	cagaggaaga	ggagcaggcg	360
ctggagctgc	tctcagagat	ggaagagAAC	gagccctacc	cggcggaata	tgaggctatc	420
aaccagttcc	agccaccccc	tgtttacaca	ccctaatagcc	agccctgggc	tctcttctct	480
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tttagggcca	tccaagtatc	cctgctctca	gaaccggagg	tccactgggt	ttctataatg	660
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gaaggtcatc	caagtttctt	ccagcatggg	cgatatcttt	gggaccgaga	ctttccttgg	780
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ggagttctgt	gcactttact	ctttggactt	ctcctcacgt	gtgccctggg	ttttatgggg	1020
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agtggtttta	aaaggaaaaa	aatgaaacca	ggcaacagca	acaatattct	gtttttaaaa	1260
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aggaaccac	caccctccac	ataggaatac	aaccagtggg	gccacatcat	gtgaggcatc	1620
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gtggtgaggg	ccacatctgc	acacgagcca	gtggctgctt	gcagttcact	gctgtgatgc	2160
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caactgatag	ttgtcatata	aattccccgg	gttgtgtttt	tttttctaga	aaaaaattaa	2580
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gcctgtcatt	tttctgtcac	gatttttcctg	atttggtttg	ttccctttgt	ctcagagaag	2700
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cgctctgtca	cccggtgtgg	agtgtaacgt	ggcatgatct	cagctcactg	caacctctgc	2820
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gtggcttgca	gaacaaacta	cacttttttt	ccctctattg	tttaaatttt	atttaataat	3360
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tctgcaaggga	ttttatgtcc	ttagtgcagg	agatggactt	gtccacacaa	aggcaaagtg	3840
aagtgggcgg	ccggctcgga	aaagtcctgt	gcccagaagg	gagccagttc	tgacctgagt	3900
gataatgaaa	ggcttcctgg	aggacgcagc	ttgagccaca	cttgatgtgg	gagtgaactg	3960
ggatagggac	actcctgctg	agagaatggc	aagagcaaaa	gcacactggg	ggt	4013

<210> 4376

<211> 1617

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1618)...(1012)

<223> similar to gi3130051 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4376

tttttttttt	ttacaaaaga	ttattttatt	aattcaattt	ttgcataaaa	gactgttaaa	60
agaacttgct	aacttgaaaa	caattttgag	tatttatgat	ctttccaact	tgaaaacacc	120
tgaaccttat	agaacagatt	gtgtaaagca	gccaggggcca	caggagtga	agaagatgga	180
gacccgccgt	ctgggtcatga	tatgagaggc	ctggacagtg	acctcacgaa	caaaaagaaa	240
tgatcctctt	cagtccaaag	tgtgtttgtg	agactaatga	ctccatgccc	tcacatggcc	300
actcctctta	cagcagacag	cttcaactccg	ctccagcccc	ggtactgcgg	tctgtggtaa	360
tttcatgagg	aatgggatga	gatctagtag	tttttagatcc	aacgcaattc	tggaagggt	420
tggtataaaa	ccaaaactca	atctatgcag	tatttaaaaa	ataattgaga	gttgtgacaa	480
cttcgattct	tttcaggagg	tgctgtctta	agatagaaga	aagggatcaa	gctcttatct	540
tagaaagcac	agacacgttt	agctcagggt	agtgcatttc	aatgctaagt	ggctgctcca	600
tgaaatctaa	gggccgggta	aggggaagag	gcccaggggac	ttcttccttg	tctgacactc	660
tcgggactag	cattctggca	ggtcttacaa	gttataatac	aaaaccatca	gataaattct	720

aatcacgact	gtgtagttcc	tccccaaaat	aatttttcctc	ttagaagtaa	aatcaggaaa	780
ggggctgagt	tctgaaaaga	aacatcgggg	ctgtggcccc	aggccctctg	agtgtggacg	840
ctgtcccccg	tgtctccatg	tttactgcct	tatcgtctcc	tttgtatgaa	agtataat	900
acgtaattcg	tccttggaga	atcacagtgg	tggtcaagaa	ccttttgagg	ccatccaagt	960
ttttgtcctt	cagtaccttg	aaatcagata	atctcaacat	ccagaaatag	cctttgattt	1020
gttcctttctc	tgatgtcttg	tgctccttggg	atcaaagcct	ctttcactgg	caccaaataa	1080
tgcccagtg	ggagttcttg	ccatataatc	ctttgcgctg	aacgtttttg	atccaccact	1140
atcttcatat	tcctggatga	gctcctggaa	gcggttataa	ttgatccatg	tccaccattc	1200
accaccaatt	ttaaactttc	tgtgtgctat	caggaggcaa	ttagagtgtt	cgtgttcaca	1260
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atgccagggc	acgtgggcca	tggttaagact	gcttgctgaa	ctttctccgc	agtaggtaac	1380
gcccttcact	tcgatgaagt	caggatttcc	caggagacag	agctgcgcgt	aggcctggag	1440
ctcgtccaca	ttccatgctt	tcacgagcgt	cagtctgtag	acagttcgtt	gttgcttgac	1500
tgccaaggct	tttaaactgt	caaggaattg	ctgccagaaa	tccttgaaga	gtgggcggtc	1560
gattttcttc	aggctgtctt	tggtactggc	atccacactg	acatacagct	gagtaac	1617

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<210> 4377
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(247)
<223> similar to gi4929551 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4377						
cttttacatc	atcatgaagc	tccgcagctc	tgaaaaggtc	ctcccagtc	cgtctttctg	60
catcgtggcc	accgctgtga	tgtgggctgc	cgccctatat	tttttcttcc	agaatctcag	120
cagctgggag	ggaactccgg	ccgaatcccg	ggagaagaac	cgcgagtgca	ttctgctgga	180
tttcttcgat	gaccatgaca	tctggcactt	cctctctgct	actgctctgt	ttttctcatt	240
cttggaattg	ttaacttttg	atgatgacct	tgatgtgggt	cggagagacc	agatccctgt	300
cttctgaacc	tccaacatta	agagagggga	gggagcgatc	aatcttggtg	ctgtttcaca	360
aaaattacag	tgaccacagc	aaagtaacca	ctgccagatg	ctccactcac	cctctgtaga	420
gccaaactctg	cattcacaca	ggaaggagag	gggctgcggg	agatttaaac	ctgcaagaaa	480
ggaggcagaa	ggggagccat	gttttgagga	cagacgcaaa	cctgaggagc	tgagaaacac	540
ttgctccttc	catctgcagc	tttgggagtg	caacagggat	aggcactgca	tccaagtcaa	600
ctcaccatct	tggggtcctt	cccaccctca	cggagacttg	ccagcaatgg	cagaatgctg	660
ctgcacactt	tccttcaagt	gttacccttc	ccagaaaggc	caagctcgtg	gacttcttgg	720
ccaaatactt	gggtagggcc	cgcgttccg				749

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<210> 4378
<211> 926
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (52)...(618)
 <223> similar to gi3283908 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4378

aagggccctg	aagccaccgc	catggtctgt	gtgtgttccc	atccaaactg	cagacagAAC	60
cacatcaaAC	ccagccacag	cgcggcacag	acctggtgtg	gaagccccac	tcccgctct	120
gcccccaacc	acaagctcat	ggctatggaa	caaggcaaga	cccttccatc	tgccacggag	180
gatgcaaagg	aagaggggtct	ggaagcccag	atcagccgct	tggcagagct	gattgggagg	240
ctggagagca	aagcactgtg	gttcgacctg	cagcagcgcc	tgtcagatga	agatggcacc	300
aacatgcacc	tgcagctggt	ccggcaggag	atggccgtgt	gccccgagca	actgagcgag	360
tttctggact	ctctgcgcca	gtatctgcgg	gggaccactg	gcgtgaggaa	ctgcttccac	420
atcactgccg	tgaggctctc	agatggcttc	acctttgtca	tctatgagtt	ctgggagaca	480
gaggaggcgt	ggaagaggca	cctgcagagc	cccctgtgta	aggcgttccg	gcacgtcaag	540
gtggacacac	tgagccagcc	tgaggccctc	tccaggatct	tagtgccagc	tgcttggtgc	600
acggtgggac	gggactgaca	gcctcccaga	ggcccgtgga	ggagcccacc	agccccctct	660
tcttgtgaag	gaaatcccct	gtttttttct	agacagacac	tttggtgcag	aagcttcttt	720
tcaatccatc	ctccacaaga	aggtgtttcc	ctgttggttaa	gtgaaggagg	ccgcccctgc	780
ccccacctga	gaaggcagag	cagtgtctgt	gctgccaggt	cctggtgaag	cccaaggttg	840
aagggggcgg	cttcctggag	ccagcacccc	tgcctcctgg	tccctggcctc	tcccctaccc	900
ctcacatggc	cacgcatgac	ccacac				926

<210> 4379
 <211> 602
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (603)...(250)
 <223> similar to gi300372 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4379

ccacgcgtaa	acttggggccc	ctccagggat	ccctttaaAAC	ggccgcccct	tttttttttt	60
tttagaagtt	tggaccagaa	tatattttat	ttttctcata	aaagttatac	caaaaatata	120
ttttcttaac	ttaaaaaatac	agcttcaaaa	agcaaaattt	gagttgtag	aattcattac	180
acattttata	aacagcagtg	aaaggaagaa	gtcagcagaa	tggattcaat	ttttaaatac	240
acaaatgttc	atttcacaag	cttgactttg	tcctttaata	acttaaagg	agggttcttg	300
ctgattttct	tgttaaagat	gaccaggagt	tcctcttcgg	atctgtgatg	ctcatctgtc	360
actgtgtagt	actgagctaa	aacctttttc	cttagctttt	tgatggttat	ttcattgtct	420
ggggcctggt	tcagaattgc	tttaatatgt	cccttccagt	tgaatttacc	ttttgcagga	480
gcctcatcgt	cttctgggtc	tccgcccctca	ggatgctctg	ggagcttcat	ctttttcttc	540
ttagaatctg	tttcaacttt	cgagtgcctc	cgcttcctct	tccctgcgcc	cacgcgtgcc	600

<210> 4380
 <211> 1773
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(384)
 <223> similar to gi3758794 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4380

tctttgtgga	ggagaagatc	aagctgtgtg	aaggtgaaaa	tcgcattgag	gttctggctg	60
aaggctggga	ccacttcttc	actgagactc	tccctaccct	gcaggcaata	ttttatccag	120
ttcagggcca	ggagctgact	atccgccaga	tctccctgct	gggcttccga	gacctagtct	180
tgctgaaggt	gaagctgggt	gacctgctgc	tgctggccca	gtccaagctg	ccctcgtcca	240
ttgtccagat	gttgtctatc	ctgcagagt	ttcacgagcc	cacaggccca	agtgagagtt	300
atttgagct	ggaggagctg	gtgaagcaag	tggtttctcc	tttcctcggc	atcagcgggg	360
accgtagctt	ctcaggcccc	acgtacaogc	tggccaggcg	gcactccagg	gtccggccca	420
aggtgactgt	cctgaactat	gcctccccga	taaccgcagt	cagccggcca	ctgaatgaga	480
tggtcttgac	cccactgaca	gagcaggagg	gggaagccta	cctggagaag	tgtggcagcg	540
tgcggcgcca	cacggtggcc	aatgcccact	cggacatcca	gctgctggcc	atggccacca	600
tgatgcactc	gggcctgggg	gaggaggcca	gcagtgagaa	caagtgcctg	ctcctgccac	660
ccagcttccc	cccgccccac	cggcagtgct	ccagtgagcc	caacatcacc	gacaaccctg	720
acggactgga	ggagggggcc	aggggcagcc	aggagggtc	ggagctgaac	tgtgcttccc	780
tcagctgagt	cgccacccct	gggcctttcc	atctcctgtt	ttgcaaccag	gatgaggacc	840
cctccatctc	cgtggattac	tgaggggggc	tcttgcttta	tgcgatgctg	ccttatttcc	900
tttagggtag	tgtcctggtc	aaaatgacct	aaggggaaac	cgttgttgta	aacctcttta	960
ttttggtagc	tgtgaccact	tctttgtagc	caccaattgt	agtgaccagt	tgccaatagg	1020
tcactttctg	actccagcct	tgccagcctg	actcagatcc	tcatctctgg	gcctttctcc	1080
ctccgatgtt	ggactgcctg	atgctcccaa	tgacatatcc	aatgctcctg	gcatttctgg	1140
agcaggaggt	tgtcaggaca	acacatataa	ccaccaagga	tgtgttggcc	tttggagttc	1200
cccttttaggt	tcctagtgat	gtggagggtt	atgggtgaaa	aattagtgga	gagggaaactc	1260
ctctccccca	ttttgtgtag	agtgaataa	gcctgaagcc	cctactcagc	agggctctgg	1320
gaatgtgcct	tccttatttt	aggttcagaa	ttgctgggaa	agttacccca	ctggtgggtg	1380
aggatctatc	ctcaacctac	atccagatcc	tatgtgctgc	ttgcacagag	gcctttggct	1440
tttgaccag	gagggccgcg	aggctggagc	tgcctgtct	ttcattgagc	cttagcat	1500
ccctctcag	cttctctca	agctcaagga	actcaccccc	agataagaag	ctggtgcctc	1560
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ggccagctga	taccaaccaa	ctggcctgta	tctatctatc	tggatttgac	ttgaattttt	1680
aaaatgtgta	tcgttttaaa	aaaaaaaaaa	gggggggcct	tttaaaagaa	tccttgaggg	1740
ggcccaattt	aaccgggggt	tggaagggtta	tat			1773

<210> 4381

<211> 684
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (659)...(308)
 <223> similar to gi3878051 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4381
 tttttttttt ttggtatcca aaacttggtt ttattaatag tcttaaaggg cattcaataa 60
 aacgttccca taaatatgcc agtgaatttg ttttaataac agaagatcat gaccttataa 120
 attactaaga aaaatatgct gcacagtaaa acaatgtctg atgttcttga aaatactttt 180
 tcactttaca agagatacaa tatgtgcttc agtttacatt ttactctcca tctaacttca 240
 gaaaaaaaaa acaaaaagga tgctatacta agaaatcttt agtatgagga gtatgtaatc 300
 atagcctcag aaatttcaaa agctgccaca atgtttttcc actcctgtaa agtcaaagat 360
 ataactccct gtttcctgcc atggcaactg gaatcatttc cctcacccat ttggttaaca 420
 ttcatcggct ctaatatattg cagcctgtct tcatcaagcc ttattcttgc aaaaccatct 480
 cttacaataa aagaaacata aaatatattc tccacagtac gagaaaaaga gtttgatca 540
 atcacaaact caaaatagga cacaggagta tcaggatact ttcgaaagta ggtttgcaac 600
 aatcccaaaa tcctttctac gtttttttct gtcgcttctg gataactact cagggtccaac 660
 ttctgcaact ttgtaggcat gttg 684

<210> 4382
 <211> 1157
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(646)
 <223> similar to gi861406 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4382
 acggagtcgt gggatcaaag actttgaaaa cgatccccc tttatcatcgt gtggcatttt 60
 ccagtcacaga attgcagggg acgcgctact ggacagtggt atcagaatca gctctgtgtt 120
 tgccctcccca gccctccgct gtgtgcagac ggccaaactc atcctggaag aactcaaact 180
 ggagaaaaaa atcaagatac gagtggaacc tggaaatcttt gaatggacaa aatgggaagc 240
 tggcaaaacc accccaaccc tcatgagcct ggaagagctg aaagaggcaa atttcaacat 300
 tgacactgat tacaggcccg cgtttccctt gtcgcgcttc atgcggcgag agagctacca 360
 ggagtacatg gacaggtgca cggcgagcat ggtgcaaata gtcaacacct gtccacagga 420
 cacgggtgtc atcctaattg tgagtcacgg ctccactctg gactcctgca cgcggccact 480
 gctcgggctg ccgccccggg aatgtgggga ttttgcccaa ctctgtgagaa agatcccttc 540
 cctgggcatg tgcttctgtg aagaaaataa agaggaagga aaatgggagt tgggtgaaccc 600
 accggtgaag accctgaccc acggggcgaa cgcagcattt aactggagga actggatctc 660

<220>
 <221> misc_feature
 <222> (2)...(6640)
 <223> similar to gil665761 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4384

ctgcgaccgg	tctgccactt	gccaggtgac	cgctgatggg	aagaccagct	gtgtgtgcag	60
ggaaagcgag	gtgggggatg	ggcgtgcctg	ctacggacac	ctgctccacg	aggtgcagaa	120
ggccacgcag	acaggccggg	tggtcctgca	gctgaggggc	gccgtggcca	tgatggacca	180
gggctgccgg	gaaatcctta	ccacagcggg	ccctttcacc	gtgctgggtg	catccgtctc	240
ctccttctcc	tccaggacca	tgaatgcata	ccttgcccag	cagctctgta	gacagcacat	300
catcgagggg	cagcacatcc	tggaggacac	aaggacccaa	caaacacgaa	ggtgggtggac	360
gctggccggg	caggagatca	ccgtcacctt	taaccaattc	acgaaatact	cctacaagta	420
caaagaccag	ccccagcaga	cgttcaacat	ctacaaggcc	aacaacatag	cagctaattg	480
cgtcttccac	gtgggtcactg	gcctgcgggtg	gcaggccccc	tctgggaccc	ctgggggatcc	540
caagagaact	atcggacaga	tctcgcctc	taccgaggcc	ttcagccgct	ttgaaaccat	600
cctggagaa	tgtgggctgc	cctccatcct	ggacggacct	gggcccttca	cagtctttgc	660
cccaagcaat	gaggctgtgg	acagcttgcg	tgacggccgc	ctgatctacc	tcttcacagc	720
gggtctctct	aaactgcagg	agttgggtgcg	gtaccacatc	tacaaccacg	gccagctgac	780
cgttgagaag	ctcatctcca	agggctcgat	cctcaccatg	gcgaaccagg	tcctggctgt	840
gaacatttct	gaggaggggc	gcatacctgt	gggacccgag	gggggtcccg	tgagaggggt	900
agacgtgatg	gccgccaatg	gcgtgatcca	catgctggac	ggcatcctgc	tgcccccgac	960
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<210> 4385
<211> 1155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(296)
<223> similar to gi5596433 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

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<211> 6179
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(3828)
<223> similar to gi2224639 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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cgltattgat	gatagtgaac	cgtgggtccg	aagctgactc	aacggaggca	gggaacaaag	4200
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gcccgtgggg	agaagggtgga	ttcctggtgt	gctgggttgg	tttttcaggg	ctgttagagg	4440
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agaagggtgag	aaccgcgtcc	caccagcca	gcatttctctg	gaacagacaa	gctgctgctt	4980


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ccttgctggc tcacttagtg cattcctggg atggtctggc acccaggctt tttattcttt 5040
ttgatcattg ttcttactga ggtgccttcc tagaacaaga gccacttaca aaatagctta 5100
taattattat gtaccacaca actactattg tttgatgtat gactgctgag agcttgaata 5160
catgcagaga gtgactgaag acttagtaga ggaataaatt ctgagcctgt ctaagggtggg 5220
gctaaggaac agatgagtaa taagaggctc ttggattttt ttaaccaatg caactgaccc 5280
tttcaatcag ttttctttga attacatcta caagttttgt tccactcagc taccagtcaa 5340
ctaggcatgc tccacagtat cacaggaaga aggtcagaaa tctggaactg aagctaaaag 5400
aagtgaggat gtagaagcca cattcctctc caaggtagtg tgtgaaagaa ccgccccctc 5460
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aatttaccat gaaattggca acatacacac cctttttatt ttctggtgtt aagcctagtt 5940
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gtttaattaa attggccata actttaatat ctgtggacaa cttgtaaaat ttggaatgta 6120
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```

<210> 4387
<211> 1369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (136)...(731)
<223> similar to gill107895 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4387
agttggcatc agtcgcagcc ctgttctccc tccttaccba ggggctccgc ctatgccaac 60
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cacctggaga cgtgggcagg gctgctcagt gtggtggatc tctctgccca ggctgtcatc 180
tacgaggtgg ccactgtgac ctacatgatt cccttggggc tcagcatcgg ggtctgtgtc 240
cgagtgggga tggctctggg ggctgcggat actgtgcagg ccaagcgctc ggccgtctcg 300
ggcgtgctca gcatagttgg catttccctg gtccctgggca cctgataag catcctgaaa 360
aatcagctgg ggcataatatt taccaatgat gaagatgtca ttgccctggt gagccaggctc 420
ttgccggttt atagtgtctt tcacgtgttt gaggccatct gttgtgtcta tggcggagtt 480
ctgagaggaa ctgggaagca ggcctttggt gccgtgtga atgccatcac atattacatc 540
atcggcctac cactgggcat ccttctgacc tttgtggtca gaatgagaat catgggcctc 600
tggctgggca tgetggcctg tgtcttctct gcaactgctg cctttgttgc ttatactgcc 660
cggctggact ggaagcttgc tgcagaggag gctaagaaac attcaggccg gcagcagcag 720
cagagagcag agagcactgc aaccagacct gggcctgaga aagcagtcct atcttcagtg 780
gctacaggca gttccctctg cattaccttg acaacgtatt caaggctctga gtgccacgtg 840
gacttcttca ggactccaga ggaggccac gccctttcag ctctaccag cagactatca 900
gtgaaacagc tggatcatccg ccgtggggct gctctggggg cggcgtcagc cacactgatg 960
gtggggctca cggtcaggat cctagccacc aggcactagc aaagaagctt ggaaatagaa 1020

```

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agccaggagt ggctgtcccc agtatgcaaa cacaccacgg tctgccctgc aaaaacacca 1080
atgggggtcta gtgcagggtgg acacttttgaa ccactcctca aaaaaagaac tttggctgat 1140
tccttgtgggt gacactcaga ggggtctgaa cagacttgac aattctgttc tgggtcaagct 1200
ggagtttttct tctgtgactt ggactgctct acagaagaca tcagccaact gcacgagtca 1260
gagtcacaggg attgtcacta ttattaataa tgtaaattggc ttcaaattggg acacctgcag 1320
ataaaatcac aaaaaccact gttatatata agattacaca tttcctggg 1369

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```

<210> 4388
<211> 1297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1240)...(738)
<223> similar to gi3874821 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4388
ggcaccaatc caatgtcagt atctgcaggc tgaagtacag acagttacac tgaaattgcg 60
tatgctctga ggaatgacac taaattcgct tccaggaaaa ttactcaatt ttgtaagtaa 120
ttttcagttt tttttctcag ggatattttt caactttcac ttttaattttc ttttagttgct 180
tagttgtaca ttttgagaag gcaaatccat tggaaacttg ggaggcttag aacataaatc 240
agtattagaa gtaaaggga cacacagcta aaagttttac tttaatcaca aattcacaac 300
tagagatata atttgcata cttagaacgc taaagacctg ttaaaatttt ttaaccaatc 360
agcaaaaata tgtgccccac agattttctaa tgttcataat ttagaattta tcacatataa 420
tatttattaa tagtttattt gcaaaattat tattctttaa acacttcttt ccaacacatt 480
tacaatgttc atgtgtttta aagaaaaaaa ccacctcat ttaaaaatgt actactgact 540
ttaatgtgtg gttataccag tgccaccaa ttagaaaaga aaaagaaaca tacagctgta 600
ttggatatgt agttactact acaataatg acaacacacg tcctatacaa agatcatatt 660
cacgcttttc taccacttct cagtcattgt cagaaccatt tggaggtaag aaaaccaatg 720
catcattgaa aatatggccc aaatgcccta aggcggtata ccccatatcat catcacatgc 780
atctgatttg gagtcagtc attaaaagta acagccatat ctgaacaaca gccttctact 840
acctggtttg ggtgataagt cattgcctct ttaatagaaa gcccaacaga tttggtatta 900
aatacatctt ttccatcagc atcttctgca ttttctgcaa atactccagc atatttcagg 960
caaactgcta gctgtttatc ttcagatata ttccaaatca tccctccctg ttcaggacac 1020
ttttctggga tattgagaag gctgttaagt cttttcattg attctacact taagacaatt 1080
cctccttcca taccacata ttcaaggtct ccagatttta tagtgtggcc tagatagaaa 1140
ggctgtgatg gatccttttt taacaaaaaa tacttttaggt tttcaatgat agcaaacgta 1200
gtggggcggt caaggaagaa ccagttgtat tgggtctctat acttacaat acgcctttga 1260
taagtataga gaccaatata actggttctt ccttgca 1297

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```

<210> 4389
<211> 3425
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (37)...(1116)
 <223> similar to gill136404 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4389

ccgctgtcct	cccctccagg	cgggcccccg	gcaggcgtgc	gatctatcat	gaaacggaaa	60
gaggaggttg	cagaccccac	ggcccaccgg	aggagcctcc	agttcgtggg	ggtcaacggc	120
gggtatgagt	cgtcatccga	ggactccagc	acagcagaga	acatctcaga	caacgacagc	180
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gaatctcagc	acatacccac	tgtgagggg	gcatcaggat	caaacacgga	ggaggagatc	360
aggatggagc	taagccctga	cctcatctca	gcctgcttgg	ccctggaaaa	gtacctggac	420
aatcccaacg	ccctcacaga	gcgggagctg	aaagtggcct	acaccacagt	gctgcaggag	480
tggctgcgcc	tggcctgccg	cagcgacgca	caccccgagc	tggcgcggcg	gcacctggtc	540
acgttccggg	ccatgtctgc	gcggctgctg	gactacgtgg	tcaacatcgc	cgacagcaac	600
ggcaacacag	ccctgcacta	ctccgtgtct	catgccaa	tcccgtggg	gcagcagctg	660
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tcccgcattg	acatcaagt	ctcgtttgcc	ccaatgtcag	atgacgagag	ccctacatca	1140
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aaaaaatatt	gtatttttga	atcattgttg	caggaggggg	tgggaatctt	aggatttggt	1560
gccagatttg	aaagtcaactg	gaacttgc	atcttcattt	taatcctaag	tgttattacg	1620
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caagaaat	aaaaactagc	caggcgtggt	ggtgcgcgcc	tgtagtccca	gctacttggg	2040
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<210> 4391

<211> 2238

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (115)...(1300)

<223> similar to gi3947603 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4391

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tacagtgagc	ttcttgaacg	acatcatatt	cacaccaaaa	atgtagaaca	tattatagat	360
agtttacgga	atgagggaat	tgaggttcgt	ctagtaaaga	ggagagaata	tgatgaagag	420
actgttcgat	gggcagatgc	tgtcatagct	gcaggagggtg	atggcacaat	gctgctggca	480
gcgagtaaag	tcttgagacg	acttaaacca	gttatagggg	taaacactga	tccagaacgg	540
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cacaatagag	cccttaacat	tgaagagct	catgatgaaa	ggtctgaggg	ttcaggaccc	780
caacttctgc	cagtgaagac	actaaatgaa	gtcttcattg	gggagagtct	gtcatccagg	840
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ccggaagaac caaaaatact tttcagtatt cgagaacca tagcaaatag agttttctca 1140
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aaaaggatga actgattaga cattttctat taggagtttg gtaaaatatt gtacaactat 2160
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aaccagtaa aaaaaaaaa 2238

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<210> 4392
<211> 1014
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1017)...(267)
<223> similar to gil438532 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4392
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gcatgggcag ggggctctcc tcttcccttg aacaaaccct cccccagtca tcccactgac 180
ggggggaggg aggtggggag gtggagccat aaatacgtcc agagtttcaa agagggtagg 240
ggcgaagagc tggccagggc tctcagagag ggggcagggg caggcccggg ccacccttgt 300
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ctgggttgat tccccactt ttgctgtggc agatcttgtg gacggccttc ctcaggatgt 480
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tggggggggg cgaaccgcag cccccagag ggaggctgcc aggaagcagg tagctggagg 720
ggccaggggg cagacccaaa gaggtgggca caggagctgg ggtcatcccc agacttgagg 780
gtggctttct gtggctgagg atctgggttg tggcctggat cagctcctgg gccttcgctc 840

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ggctcgccag	gttggcttct	tccatcttga	agagaagtgc	agtcaaggcc	aggacgccgc	900
tgggtggtgca	gtccacacca	gctggcagat	tccagggcat	ggcgggggc	agcgtgggca	960
gctgggagac	acgggaagct	ggcccgtcct	ccgccccgga	gtcaccggct	gtgg	1014

<210> 4393

<211> 1187

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (829)...(314)

<223> similar to gi671865 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4393

gcaaaatgac	aacattttaat	gggatgataa	ggaaataaga	cttgtcaaga	aaccatagcc	60
cactgcagac	tgttcacgat	gtcagatggt	tcatgatttt	tttccagggt	tgatacagaa	120
gaatcagttt	gttaaaagaa	atgcttctcc	atcagagact	tttcttttct	tcaactattg	180
tccctatcct	tattcagggt	ttcatTTTTct	tactagatgt	gttttcaatg	gtttatgacg	240
taataaaaatt	tctttacttc	ttccagtaat	tgtttttgtc	tactctggaa	actggaacta	300
ctgtccgatg	ttggtaaaaa	gctagggcat	attcttcttt	ttcgtagtaa	tcgtagacca	360
tgccctggggc	tggtctgaatg	ttgaacacaa	ggttgctctg	ctcaacagaa	aaagtgaaac	420
tgtctgctcg	accaaaaaca	ttttccaagt	agaaaagaac	atggtcattc	ttgacttcag	480
tcttcatcac	ttggcccttg	ttttcaagct	cttcaatgga	tgacatgggt	ggagtaaattc	540
ctgatagcat	ttttacatct	ataaccacca	tactggattt	attgcgaatt	ccagtgtatt	600
tgaggggtcac	tgtgaggtca	aaagcagtcg	aagagtagtt	ctttactatt	tccaaggaaa	660
gagaaaatcc	agatgccttc	ttaggttagga	gaacattgta	cttaagggtg	gcctggataa	720
atgtacaacc	gtgtcccttc	acatctactg	tgtattgtcc	aggtgcctgt	gttacttctg	780
aacgttggac	cagtaggcgg	ttatgaccgt	taacctggaa	aatctcactg	gatccttcac	840
tgtctggagga	ctgtggggtt	taggtgtcca	agaagaaagc	tcagatctgc	cgacggcagg	900
tgcccttactt	gggatttact	atccgacagg	ggctctggagg	actgtgggtt	ttaggtgtcc	960
aagaagaaaag	ctcagatctt	ccagcagaag	gtaccttact	tgggatttac	tatccgacag	1020
gggtctggag	gactgtgggt	attaggtgtc	caagaagaaa	gctcagatct	gccgacggca	1080
ggtaccttac	ttgggatttt	ctatacgaca	ggggtccgaa	cgacagcccg	gatcagaaaag	1140
aaagcagggtc	gttttgcaatc	taccaggacc	taagggcaga	acggcag		1187

<210> 4394

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (50)...(765)

<223> similar to gi3327194 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4394

cctggtcgac	ctacgcgtcc	gaagggagga	ggcagacggc	aacaagatgg	aggaagagga	60
ggagcccgcc	cagggcaaaag	gtgacagcat	tgaggagatt	ttagctgact	cagaggacga	120
ggaggacaat	gaggaggagg	aaagaagccg	aggcaaggag	cagcggaagc	tggcacgaca	180
gaggagccgg	gcatggctga	aagagggcgg	tggggacgag	cccctcaact	tcctggatcc	240
caaggtggcc	caacgagtcc	tggccacgca	gccagggccca	ggccggggca	ggaagaagga	300
ccacagcttc	aaggtgagcg	ccgatggccg	gctgatcata	agggaggagg	cagacggcaa	360
caagatggag	gaagaggaag	gtgccaaagg	cgaagatgaa	gagatggctg	acccaatgga	420
agatgtgatc	atcaggaata	aaaagcacca	gaagctcaag	caccagaaaag	aggctgagga	480
ggaggagctg	gagatacccc	ctcagtacca	agctggaggc	tctggcattc	atcgccctgt	540
ggccaagaag	gctatgcctg	gggctgaata	caaggccaag	aaagcaaaaag	gtgatgtgaa	600
gaagaaaggc	cggccggatc	cctatgccta	catccccctc	aacagaagca	agctcaaccg	660
caggaagaag	atgaagctgc	agggacagtt	caaaggcctg	gtgaaggctg	cccagcgagg	720
ttcccagggtg	ggacacaaaa	accgcagaaa	ggatcgtcga	ccctgaggcc	cagggccccct	780
gggctgccct	gtgtgtccagt	ctgaggccct	ttcagccccc	aggctgcctt	gccaccagct	840
ccaggtgctc	aagattctgg	cagagcctgg	actcaggatg	acttggaact	agggcttggc	900
tctcagaagt	cctggatttt	ggaaactcca	aatggaatca	cccttcagag	acatccctgg	960
tgcttgagga	tgggaatgtg	gcctcagtgc	ctctgagtag	gtgccatgag	gcacctttgc	1020
tttctgcccc	gagtggccat	gagcaccaga	acagatgatc	tccatttccg	ccagctgcct	1080
gtagccacgt	ggcatcctgc	ctgtggtctg	ggtgaaa			1117

<210> 4395

<211> 1162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (544)...(758)

<223> similar to gi2104558 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4395

tcagatgtga	ccttcctggt	ggaaggaaag	ctgttttatg	cacataaagt	cctgctggtg	60
acagcttcta	acaggtaggc	agcctcagat	aacaaactcc	cagcccaggg	gcacagaagc	120
accttgtttc	agattccagg	tgacagagag	tgactcgctg	gggctgtacc	ctgcagcctc	180
tgcccctcag	actgcagtca	cattgcagca	gagccccact	cgccccacag	cgggatgaga	240
cggggtggac	ccagggcagc	aggaaagggg	ggctctgagg	tgggtgttctt	tctggcctag	300
ttattgcttt	tattattaga	aaacataaat	atcctggaat	gaagagtcag	cattctggcc	360
acaggcgtca	ggtcgcttgt	agggtgggtg	gtggggacag	aattgggctc	agctcagatg	420
tcttcctaag	atggtgtaaa	atggcacttg	ctgaaaatta	ttttaggagc	acagcagtaa	480
tttttaaaat	gttccgtctt	gtggtagccg	gtcaggtgac	agatgggtgcc	atcgccacac	540
agtgggtgaag	taaaagggtc	aaaaccaccc	ttgctttgtc	tcctttgctc	caggttcaag	600
acactaatga	ccaataaatc	agaacaggat	ggggacagca	gcaagaccat	cgagatcagc	660
gacatgaagt	accacatfff	tcagatgatg	atgcagtatc	tgtactacgg	aggaacagaa	720

tccatggaga	tccccaccac	tgacatcctg	gaggtgagac	tcgggagagg	gggagggggc	780
ctgggccagg	gtgcccagcg	gctcgggtctc	ccattcacc	ccttcagagg	gaaggtggct	840
cttcctctcc	atctgacagg	aagagcagtt	cccagaaaga	ggaactgtgc	acaccactga	900
gcccagcctc	agtgcgtgtc	ccagcgggga	tggttaggcc	caggagtatc	agaaggtagt	960
ggggcctgag	ggtggaggca	gcagggcaca	cggcactcgg	gagctttctg	ttcggtgctg	1020
tctggggccac	tggctctggcc	atgggtcccc	aagacctgct	ctgcctccct	accagctgct	1080
gtcagctgcc	agcctgttcc	agctggatgc	cctgcagagg	cactgcgaga	tcctgtgctc	1140
ccagaccctc	agcatggaga	gt				1162

<210> 4396

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1451)...(941)

<223> similar to gi5824472 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4396

tttttttttt	ttttctgtct	gtgggagaaa	aactatctcc	atttattttg	tttcatatac	60
atccatagtt	gaattttta	acaaaagaaa	aaaattagaa	tctgacaaat	gtttacaaac	120
aagatacctt	caaatagatt	ttactcactt	tagcctggty	cagagtaatt	gacaaattgt	180
actgttatat	tcaaggcaac	agagtctgta	gtccaggacc	acttagccca	acctttatgc	240
aagcttaatt	ttaatctacc	atgaacaata	aactcattgt	tgattcccag	ttgtgtgtgt	300
gtgcacatgt	gtacatagca	gtccttttca	tagaaaagaa	agacatctag	aggtcgtcct	360
gtacttttac	ctacaggaat	catgataaga	tacagatgat	tatatgtaac	cggggctgga	420
ttttataaga	aaaaataact	agctgacaaa	tgagggcagc	aataaaaaag	cgtctttttt	480
gcaacaataa	ataaatacac	tcaaaagttt	tctgtgagac	tctaaccag	cttcttcact	540
gaagagcaga	cgtggcattt	ccatggagtt	acacttgacc	ccatagtatc	tttttttctt	600
gctttctttt	tctttttttt	tcaataaaca	aagttttctc	gcttctgcca	caatagtaaa	660
accatctgat	cttgacaaga	taatgggtgtc	gttgactttg	cttttttctt	gtccgttgga	720
caaaattggc	caagaatata	attggactgt	tatgaccaat	aaaaacgaag	tttaggtcaa	780
gtcttgtcag	gatagcctga	ctaaaaacat	ctggctcctt	aatttaaaat	agttcagaca	840
accagattct	tgctgtgttt	tatgttaggt	taacacgctg	aactttaaga	agctgtagac	900
tgacgtttgt	tgttatgaga	cctgctagct	ttgaagcctt	tcaatttctg	tacaaagaat	960
gattcgagaa	cttctgcaca	ctggtaaaat	ggggagtcac	ttggattgta	gtaacgacag	1020
ttatcaaaaa	ttttgggtcat	atctgccaca	aattccgtca	gcttttcata	atatcgtcct	1080
tgtactcttt	cttccatggt	ggcaaggctc	ataggttcct	taataacacc	ataataatct	1140
ggtgcatcat	taggggtctac	tgggttcaagg	aaaggccagg	ccatcttatg	ggcctgtaag	1200
gaacggagca	ccctcttcaa	cccctcataa	tccttctctg	ttagtggcgt	gagcactgtc	1260
atggcatcct	ctgttgactg	gcactgtgga	cagacatact	catcaatgag	ctctgcctca	1320
ctttgcaaga	tgccaacgca	gcgccatgg	taccaattct	gacaccgatc	acagccaata	1380
taaaatttag	attcatcata	aggcgtttta	cagatacagt	aaagctttgt	gtccttctta	1440
gtttcctttg	aggtagtaga	gatcattttc	tttttcttgg	actttgagct	ggagtctttt	1500
tcctcttccc	gcttctctct	ctgggaagca	gcaggtaaag	tgggcgtgga	cagaaggcct	1560
gtgtgttgca	cagcaggtgg	agggggaggt	gaaggtggag	gggctggagg	ggctggagga	1620
gctggtgtca	ctggggggca	gggtgcagct	actgctgtgg	cctgagccaa	ctgcatcagg	1680
tctttttctt	tcttaatttt	caggtctctc	ttcagctcct	cctgttgtca	attaaagaca	1740

```

atacaagact atcattagag tcatgtaaat gtgtgatctg gccagaagat ggtacacccc 1800
acgcgtccgc ccacgcgtcc gccacgcgt ccg 1833

```

```

<210> 4397
<211> 732
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(733)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (644)...(467)
<223> similar to gi30099 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4397
aggattcaag cgcaggcctg cccaggcttt ttgtgttctc ctggctgcga ggaggcatcc 60
agggaccagg tgccaccctt ctgagacacc tgaaatccca ggcccagag gatgaaggcg 120
ggattacctg gagcgtgtct gaatgctgga ggaagaaggg cacctgggag atgaagctgt 180
caggatgggg cgcattcccat ttctgcctc gtttcagttc aactttccaa cagacctccc 240
tggctcgtct tgctcttctc taatggacaa acaaacaggc tcaaagaggg ggggtgactt 300
gccaagggtc actcagcttg gatgctatgg aacagggacg tccactgtcc cagtctgttt 360
atgggaagcc gctctgcaac tgtcctgacc caccacatgc cccaccgctg tttctctttn 420
gcctgacccc ttgttccctg gaccagggtg gcacagctcc aggtctcttg gcccttcccc 480
agggcaggca cctgtgactg tgtcccaaaa gacctgagtg gctgaggggg cccacagag 540
cttggacttc ctggaggaca aggaggggtc ttgcagtcac ccccatcacg cccgccccag 600
ggctcccctg gagcttccat gccagctgga ctcaggaccc ctgtgatcac actggccccc 660
ccaccgatg acccaggata atccatctcc ctgattgaag gacggcttga tatcaaacct 720
tatttccatc tg 732

```

```

<210> 4398
<211> 1452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1351)...(808)
<223> similar to gi4894378 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4398
tttttttttt ttccttaaat gaggagattt aatgtcttta cattatacat ttcaaaggaa      60
caaaacacccc tttatgaatt ttctcatgga gatagcattt acatcacaga gctgttgtga      120
aaataaaata agaatgtaca gcacacctgg aatataaaaa acatcccaat aacttacttg      180
gagccccgca gccatccatc cctcacatat aaatacaatg aaccagatga agatccgtgt      240
ccgtgtccat gacagcaatc cattcagaag atcaaagata aatagtctaa tacaccaatt      300
tctgacattt gcttagcact gcaggactca tgaagagctg ccatcctat tatctcattt      360
aatccctaca acaaaaacca aggtcgaagg aggtgagctc ttgcagaaag aacagttaac      420
agactccaca ggtttgcaaa acagccatat gacagagggc tgaggaagcc tatgatagta      480
tgaaggcaca ttcttcctcc aggtgaaggc agggagctct catggtgact gggccccctc      600
tgggcaatgg caatgccact ggagaaacag ctggaaacca tatgctacag ggatgtcttt      660
tatttgtata ttgatatttc ttcacagaaa attaagcaag tggctattct gtccctggatt      720
aatccatttg gacttggtcc cattggtgtc cgtggcagct tctgctttgt ctgtaggcac      780
tggggcctta tcttgtgatg gttatcactt gaggggtctt ctaaggtttg agaaaccaat      840
gccaacacag gtcacagca ctttatcccc acccttgagt tcttcaccac atggcttggt      900
ttcaatttta aacataatct ggaaaaagct cttcaaagtc cgcaaaaatt ctatcgtgta      960
gggagagaga gggcctagca ggactttgga aacatcctgc tgtccaaggg tcatgagtag     1020
tagcgccagg ctttggttgg tgcagtatac gcatccaccc ctgtagattt cctccagcag     1080
cagccgggca cagttcctgc caaggtcctc tgggaagtact gctgctccct ggccctgggg     1140
gttgagggcc agttcagcac tgaggaaggt gccactggtg gtctcagcaa ccagtgacaa     1200
cccaaagccc ggagacttcc cagagttgac tcctttcatg tgatctgtgt aaatatagat     1260
atcaggatat aacttggtga ggatgctcct tgcagaatcc acaatccggt tcgccatctg     1320
aggtgacaca cgtacagagt acctgcagcc tggagttaag gatgtcattc tgcatacatc     1380
tctcttcaca tatgcacatt ttgttcttgc tcttcaatga gaccacacac tctataaggg     1440
caagggcttt ac                                     1452

```

```

<210> 4399
<211> 957
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (319)...(547)
<223> similar to gi5901802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4399
atggcgggccg cctggccgctc tggtcogtct gctccggagg ccgtgaaggc cagactcgtt      60
gggtgcctgt gggtcgtctc agtcactaca ggaccctggg gggctgttgc cacctccgcc      120
gggggcgagg agtcgcttaa gtgcgaggac ctcaaagtgg gacaatatat ttgtaaagat      180
ccaaaaataa atgacgctac gcaagaacca gttaactgta caaactacac agctcatgtt      240
tctgtttttc cagcacccaa cataacttgt aaggattcca gtggcaatga aacacatttt      300
actgggaacg aagttggttt tttcaagccc atatcttgcc gaaatgtaaa tggctatttc      360
tacaaagtgg cagtcgcatt gtctcttttt cttggatggg tgggagcaga tcgattttac      420
cttgataacc ctgctttggg tttgttaaag ttttgcactg tagggttttg tgggaattggg      480
agcctaattg atttcattct tatttcaatg cagattgttg gaccttcaga tggaagtagt      540

```

tacattatag	attactatgg	aaccagactt	acaagactga	gtattactaa	tgaacatttt	600
agaaaaacgc	aattatatcc	ataaatattt	tttaaaagaa	acagatttga	gcctccttga	660
ttttaataga	gaacttctag	tgtatggatt	taaagatttc	tctttttcat	tcatatacca	720
ttttatgagt	tctgtataat	tttttgtggg	ttttgttttg	ttgagttaaa	gtatattatt	780
gtgagattta	tttaatagga	cttcctttga	aagctgtata	atagtgtttc	tcgggcttct	840
gtctctatga	gagatagctt	attactctga	tactctttaa	tctttttcaa	aggcaagttg	900
ccacttgtca	tttttgtttc	tgaaaaataa	aagtataact	tattcacaaa	aaaaaaa	957

<210> 4400

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5)...(337)

<223> similar to gi5824524 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4400

ctcatccttc	aaagaaacag	ctgtggcttc	aagttgttgg	tcggtgctga	aacagaaaag	60
acaacagatg	aagatcccag	atggattttt	tgccattttt	tatgccattt	gtgaacacat	120
cagtcctgtc	ctagcctggg	gctttttggg	tctctagaaat	tctctgtatg	atztatgttg	180
cttttttaag	aatcaagttc	ttttatttct	caaagacatt	tttgactttg	agaaggtgcg	240
ctattcaagt	acagagactt	tagctgaaga	cctcatgcag	ttactcattc	gccgcactga	300
gcttttaatg	gcctatcttg	aagcagatgc	cctgaggcat	acaagtagtt	gtctaagcag	360
tcatggtcat	gttatgtcca	ctgggctact	ggaagccaaa	gtacaataag	taccataaga	420
atcatacaat	ttgagtgtgc	tatgaaatat	tttaaggtaa	ctattgattt	tgtaacatat	480
attacaaagt	taacagaatt	gatgcatgtg	gattcaggga	ggaaaaaaaa	atctactaaa	540
aaatgagcaa	ctgtactgta	tttatacaga	agttctgtca	ttgaattcct	gtgtagtgtg	600
gtcatagtgg	ctttttgcat	tcattaggta	ataattgaag	tcatgaaatg	tatatatttac	660
agaaatatcg	cttgaattga	agccaatatt	tgggagttaa	ttgggtttgtc	ttcttgaagc	720
tgtcattctc	aaaagctctg	tttttatgct	ttgcaccttt	aaaatgtaca	ctttagccaa	780
ggtctttgtg	gcccacacat	gcaagaatat	attacttcta	atgtcaatat	atttaacttt	840
gcctagaaac	atatttttaa	ttataaagat	attcatttgt	ttaatcaagt	ttaggcagta	900
atgatgttta	atatgtactg	catacattat	tgcttgtg			938

<210> 4401

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(556)

<223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (8)...(341)
 <223> similar to gil247473 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4401
 ttttagtcat atcacagaag catttcatca ccagcctgag tggggaaatc ccaatcgtga 60
 cagaggggtcc tgggcacagc ctgttgatac tggagtttca gaagcgagcc taggtgatgg 120
 tgagccccac atcccatctc tgctgtctat gtctacaagg aaccacatgg atatcaccat 180
 tccaccctta cctccagtag ctccagaagt cttgagagtt gctgaacaca gacaccggag 240
 gggctcttat taccatata tctaccatgt cctcactaag ggtgaaatta agatccccgt 300
 atgtattgag gatgagtgtg acatggagct gcctccagct gctctcttat tccggtcagc 360
 tcgtcaatat gtatatggag ttctnttttag tctggcagag acacagagga aaatggaacg 420
 cttggccatg cgacggcggc tgcctgtgga aggtaagtgt agttctagct atgacaattc 480
 tctcagcact tgatacagca gatatgtctg tccaggcaca ttgggtacct atggctatgg 540
 agtagtcttt aagaa 555

<210> 4402
 <211> 830
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (633)...(466)
 <223> similar to gi3114594 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4402
 tttttttttt ttaaataattt gatattttta ttggaaatgt ttttgtagt ttgaggggaa 60
 gggatatgaag acagatctca aggtaaagtc agagagggct gtcatcagta tgctggggag 120
 tttagggaca ggaggcattg gtaggggatt agatgtagca gcagtcaggc tgggatcaag 180
 atgcctgggg ggacatcttg atcttggcct ttcaggggcaa gtgggaggct agaaagggtg 240
 cctaggaaaa gaaacaacaa tccttcagggt aaagggtaat agacttggga tgtgaaggcg 300
 ttatgctgaa aggttctgtc acgaggggat cagaggacag tggggaaatt gggtaggtta 360
 tctagcctgt actgtctgca ggtcctgaaa ttgatgctg tcatagtctt tgcagtgggt 420
 cggttggaat gattctgggg gcagaagctc agagcccctt agtaggaatg gaggcggccc 480
 ttctgctgcc actgctcagc cccctccact gcatgacgaa gggtaggaga aattcccagc 540
 aacatatggc ccaggccttg cagcagtgtg gaggtccaac gaaggagctc cctgaatggc 600
 agagacaaga ggaaatcaga tgatttggaa aacttgggag gaagccatca agctgggaga 660
 tgaggacttt ccacaagcaa gagctaacta ggggtagggt ggtgcaagag gacgaattat 720
 ggggactatc caactgtagg ggatggggca gtatgacatg ttgatttctg acctgagtac 780
 tttctttggg ccaagtcctt gaaagtcaca actcatagag tagagcccgt 830

<210> 4403
 <211> 2223
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (205)...(802)
 <223> similar to gi57351 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4403

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gctctatcca	gtgttgtatc	acggactgat	tcaccgagcc	caaccgtact	caactcacat	240
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caaatcagca	ccaccctccc	ccccacgacg	agtaccaaga	aaagtggagg	agcatctgtg	360
gtccctcatc	cctcgccctac	tcctctgtct	caagaggaag	ctgataacaa	tgaagatcct	420
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accctgaac	cgttttattg	cagttaattt	ttttcatatc	tgaaactatt	atttaaatatt	2160
ttgactacga	cttttacaaa	ataaatgcc	cagcatatac	aatctatgat	ttcaaaaaaa	2220
aaa						2223

<210> 4404
 <211> 925
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (928)...(156)
 <223> similar to gi3170887 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4404
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 catttgtgat tgtcttgagg cagagttgga gctcacagta actgccagtt gaatccaaat 180
 aacatctgat tagtctcttg gctcctagca atctcttcta taatgcagtg ttgttgccag 240
 accaaatgga gcttccgata ccgctcacga gataaatgaa gggggttgcc cctcttcagg 300
 ccagggtctg tttctccata ttcattccaag taaggagctg gataggcaca gcctctggct 360
 ttaccttcaa ccaggaccac tcggcattct ctgattttta ggaaaatgca gactccggct 420
 ccacagtga gtcggtgaaa aatgcaagct ccaacctctt ccccgttcac aatttcctgg 480
 cagcaaagt tctgagaaca tagtatagcc ccacagaaaa ggcagaggac aggatgcttt 540
 cgctcatcat ctgcagaccg tgggcacctg aaatgagaag cttgattcag gaggcagcta 600
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 ttttgcttca aacagtttag taaggcagga tctgcacacc acctctggag caagggcctt 720
 acagtatccc aatattcctg gaagagcagg aacaaatttg taggtaaaga tagatagcta 780
 cagagtgcac tgtactctcc ttctgcagaa ttggtatgca gttcctcagg cggagttacc 840
 ccaagtaaat agtggaaaaa caatgcagca cagcgaagat aagggggtgat gccattcttc 900
 agtgagaccc acaaatacca gccag 925

<210> 4405
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (615)...(69)
 <223> similar to gi4836403 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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gagaggacag	cccatggtag	cggaagaaat	tctggcggag	agcactgtac	ttggggtcct	180
tctctcgag	ctggcggtag	ggatcgggac	cctggtggct	gcctggtacc	tccccacca	240
ggcctcgctc	cttctccacg	gtttgcagg	cccacatggc	agctgtggtg	cggggttcca	300
gccagcgggc	gttgacagt	gccagcgtaa	ggctcaggaa	cagcaggtaa	agctggctgg	360
cctcccagaa	tgtgagctga	gcccgaagcat	gctgtgaagc	caagatgcag	aggttgatga	420
aggcacagcc	catggagatg	tggaaagtaga	aggggaagag	tttgctctgc	actagtccga	480
aggtatgtcg	gggaaggctt	cggaagaaagca	ggaagcctga	gacgaagggtc	acccacattt	540
gcatgcccc	ggcacctgac	aagaccagta	gatggaccat	cttaatcagg	cctcctaggt	600
tcccgcttc	ctccatcttg	cagtccgtta	ggaaccggga	cctcaatccg	cagcaccg	660
attccgagaa	cagaggcgtc	ggggccaaat	gggtgaatc	tgttacctca	ctccacgcc	720
cccgggtgga	cagcgaccct	cctcgccgc	gtcccctcgt	gggtttccc	tcgtgcc	777

<210> 4406

<211> 1635

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)...(1160)

<223> similar to gi5832784 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4406

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cgagaacgtc	aagtacgtgc	agcaggagaa	cttctggatc	gggcccagct	cggaggccct	180
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gggctgtgtg	cagacctcgg	aggaggagt	ctcgtccacg	ctggcagtgt	gggtgaagt	360
gcccattccat	cccagcgccc	cagagcttgc	gggccacaag	agacagtttg	gctctgtctg	420
ccaccaggat	cccagggtgt	gtgatgagcc	ctcctccgaa	gacccctcatg	agtggccaga	480
agacatcacc	aagtggccga	tctgcaccaa	aaacagcgct	gggaaccaca	ccaaccatcc	540
ccacatggac	tgtgtcatca	caggacggcc	ctgctgcatt	ggcaccaagg	gcaggtgtga	600
gatcacctcc	cgggagtact	gtgacttcat	gaggggctac	ttccatgagg	aggccacgct	660
ctgctctcag	gtgcaactgca	tggatgatgt	gtgtgggctc	ctgccttttc	tcaaccccga	720
ggtgcctgac	cagttctacc	gcctgtggct	atccctcttc	ctgcacgccg	ggatcttgca	780
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caactttgcc	cacatctcgg	ggttcatcag	tggcctcttc	ctctccttcg	ccttcttgcc	1140
ctacatcagc	tttggaagt	tgcacctgta	ccgaaaacgc	tgccagatca	tcatctttca	1200
ggtggtcttc	ctgggcctcc	tggctggcct	ggtggtcttc	ttctacgtct	atcctgtccg	1260
ctgtgagtgg	tgtgagttcc	tcacctgcat	cccccttact	gacaagttct	gtgagaagta	1320
cgaactggac	gctcagctcc	actgagctgg	ctgcgggctc	cagcggccgt	gtgctccagc	1380
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tgtggggact	ggcctgtttc	ctgaacacag	acctctttct	tgtgccttgt	tcacttctgt	1500
tgaacccttc	gtactgccgg	gcatttatta	tactacttcc	tgtcataacc	ttctaacttg	1560


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tttcttgacg accacctcat gtggccaata aatggactgg gagcgtttta gctgccatta 1620
acttgaaaaa aaaaa 1635

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<210> 4407
<211> 6018
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (3)...(4029)
<223> similar to gi5912034 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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gtcaaatgaa gcgcaacaga ggggaagaaa tagattttga gacacctggg tccattcttg 180
tcaacaccaa cctccgtgcc ctgatcaact ctcggaacct ccatgcctta ccatcacact 240
tccagcagca gctcctcttc ctccctgcctg aagtagacag acaggtgggg acggatggcc 300
tgttgctgtc cagcagcagt gactaaata acgagttttt taccatgctg gctcagagct 360
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gacagaagct gggtttgacc aaagaagagt cattgcagca gaacgtgggc caggaggagg 540
ctgaaatcaa aagtggcttg tgtgtcccag gagaatcagt gcgtatacag cgtggtccag 600
ccacccgaca gcgagatggg cattttaaga aacgctctcg gccagatctc cgaaccagag 660
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ctagacaaga aaacttgaag accaaggctc tcgtttctaa cagttctttg cattggatac 2100

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ccatcccatc	gaatgatgag	gtagtgaaac	agcccaaacc	agaatccaga	gaacacatac	2160
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caacctgcaa aaaaaaaaaa 6018
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<210> 4408
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (431)...(134)
<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
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actcatttca attatgtgta gtataccagg acagacctat tttcatgtct tatttcttta 120
aagagctgct tcattggccg ggcgccatgg ctacagctctg taatcccagc actttgggag 180
gccgaggcgg gtgggttact tgaggtcagg agttcgagac cagcctggca aacatggcga 240
aaccatctct taactaaaaa tacaataaaa ttagccgggt gtggtgtcac gcgcctgtaa 300
tcccagctac ttggggggct caggcaggag aattgcctga acccaggagg cggagggtgc 360
agtgagctga gattgggcca ctgcactcca ccctgggcga cagagtgaga ctcggtctca 420
gaaaaaaaaa aaaaagagct gcttcacata taaatgtcta tagctagtag cctggccctt 480
taatgttaaa tttgaataga tatatctgtt ttccgggaat tatcttgaaa agttttaaac 540
agaatgacct tcatagtttt taataaagaa tattatttac ctaaaatgtg ctagtagcat 600
cttgcccagc ccataaagca ataaacttct caataatctt aattttgata tttgaataaa 660
taatggaaac tttctgtatt aagggcatgt atcccatcaa ttggaatcag taccttaaca 720
gaaaaggcca gctcttcaat ggaattaacc gtgatataaa atgtttgata taggcagtac 780
ttttataaaa aaagataagc tgggaaattg ctccgtgtaa ttttttaaat aaaaagtcaa 840
```

```
<210> 4409
<211> 2602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1151)
<223> similar to gi4884086 in the genepept database release 114,
```

Run with FASTXY 3.3t00, default parameters

<400> 4409

ggggaaacta	tgttcaagaa	agcgaaaaaca	aaagctaaaa	agaagccacg	taaacgttca	60
gatatgttctg	gaggttataa	ccttttcagat	attatttcaga	gtccatcatc	tacaggatta	120
ttaaagtctg	gtaagaccaa	ttctgtggaa	tctcttccag	aactgttgac	atcagactct	180
gaaggaagct	atgcaggagt	gggtagtcct	agagatttac	agtcccctga	tttcacaaca	240
ggatttcatt	cagataagat	tgaggcgaaa	gtcaaaccgt	atgttaatgg	tacatctcct	300
gtgtattcta	gggaagattt	aaaacccatgg	gaaaagtcac	caatacttaa	aatatctgct	360
ccacagccta	ttcccagtaa	cagaattgat	actaccagct	ctgccagttg	ggttgctggt	420
tctttcagtc	ctgtcagccc	tctgtttgtg	gatctcagaa	ctatcatgga	aatagaagaa	480
agtagacaaa	aatgtggagc	tacaccaaag	tcacatttag	gcaaaacagt	ttctcatgga	540
gttaaacttt	ctcagaagca	acgaaaaatg	attgcattga	ctaccaagga	aaacaattca	600
ggaatgaata	gcatggaaac	agttttattc	actccttcaa	aagcccccaa	accagtgaat	660
gcatgggcat	cttctctgca	ttcagtttca	tccaagtcac	tccgggattt	cttactagaa	720
gaaaaaaagt	ctgttactag	ccatagttca	ggcgatcatg	tcaaaaaagt	ttctttttaa	780
ggaattgaaa	attctcaggc	acaaaaaatt	gtcagatgct	ctacccatgg	taccccagga	840
ccagaaggca	accatatttc	agatttacca	cttctagaca	gtcccaatcc	ctggctatct	900
tcttcagtga	ctgctccatc	catggtagcc	ccagtcactt	ttgcatctat	tgtagaagaa	960
gaactacaac	aagaagcagc	tcttattaga	agtcgagaaa	aaccgttggc	tctgattcag	1020
attgaggagc	atgccataca	agattttattg	gttttctatg	aggcatttgg	caaccctgaa	1080
gagtttgtca	ttgttgaaag	gacaccgcag	ggaccactgg	cagtacctat	gtggaataag	1140
catggatgct	agttcactgt	ggagttgaga	tgcattttac	ataattatga	gtttgttcat	1200
ataaagaaaa	gctgtggaaa	agagtccttag	agattttgta	atatcattct	aaatagatta	1260
agaaaagata	taatttcttt	actgcagtta	aatcatataa	tgtttgtatg	attaaaaata	1320
aatttctcag	aattgtgatt	ttagtaactt	tatataaaat	gtgtgagaca	aaaacttatt	1380
aaggttaaat	agaattgttt	cttctgaata	atctaacaaa	ggaaaatata	agtgattgaa	1440
tcataagata	taaggggggt	aaagtattaa	aaataacttt	tttgtttgat	aacttgagaa	1500
tttagaagat	tttgccaagt	atgtgttggt	gcttgacttc	ttaaatatgg	cattgatgaa	1560
tttaaagtag	gagcatcagt	tattacttct	gattcattaa	tggccagaat	tttgtgttg	1620
gtgtaatagt	tgtgtcacca	ttcttgttgc	tttttaaaaa	tcaggctaata	catgtggtcc	1680
atgtctcttc	aaagcttgac	ctgcacaaat	gccatatttc	tatttggacc	acatattctc	1740
cattttgcat	tgagcagtag	agtacagtg	aaagggaata	agaatactga	ttattctgaa	1800
cagtttagtc	ccaagagaat	agcgttttaa	aaaagaaaaa	caagatttgg	agtcattgtg	1860
ggttattttt	ggtgggatgg	aggatcttaa	aatgcctaa	ttgtgagaga	atcaattgct	1920
gaaagtgtta	aaatttctga	aaataaatgc	ttaattacat	atacaggaat	taaatagttt	1980
ggaagagggg	tggattatca	ttacctttac	aatactgtat	aatcagaagt	tctctgaacc	2040
tcaattgtat	atctagacat	aaaaattggt	ttctgtatag	gatgttggtt	ggtttgtttc	2100
tgagtgttta	aattttgcaa	aaacaaatgt	taaatttggt	cttcagtacc	tagataaatt	2160
ggaaagggtta	atgttctagt	ttctggaagg	taagcctggg	agacacataa	gcaattcact	2220
gctataattt	agttgatgta	aaatgacgga	aactgactca	atatgtcagg	tttaactctg	2280
ccaaaagca	gcagacatgt	aagcagatgt	gcaataaaaa	atgatcttga	tccatttcac	2340
taatgtgtgc	ttgacatttt	ttactatatt	gacatttatt	atggaaagag	ttataaatta	2400
tttttctga	tgtgctacac	tagtgccag	tatatgggtta	agttgatgtt	gtattttattc	2460
taagacggat	ttaaaaaggc	agttttctaa	atatgaactt	gtgaattttt	gtatgtgtgt	2520
ttgagtaaat	tgagaaatga	attttataaa	tgttctattg	atgttgacgt	aaagaagcct	2580
tttgaagtaa	aaaaaaaaaa	aa				2602

<210> 4410

<211> 2402

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (2403)...(1459)
 <223> similar to gi4884188 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4410
 aaaaaatttt ttttttgaga ggggggttta ctctttttgc ccaagaaaga gggcaaagg 60
 gttttttggg ggcaatgcaa ccccgggggc cccctgggta aaaagatttt cccgccccag 120
 ccccccaaaa aaggggggat acaggggagg gccccccccc ccgggtaatt tttttttggt 180
 ttccggaaag acggggtttt ccccgagggg gggggggggg ttggaaaacc cgccccccgg 240
 ggtgcccccc cccccccccc cctaaaaagg ggggggttaa ggggggaacc cccgggcccc 300
 acccccaaaa aatttattag ttttggtttt tgcttttttt tttgaactta acagatactt 360
 tattgctcac ctttcacaca agcacacct ccagccattt tctttcacag cttgacaatg 420
 ttacatgta caaaaaccca gcaagaagca tcatgtcatg tagatttcag taaggagaa 480
 tgtaaaacat caactcagcc aggcctttgt tttctgcagc aataataaag ggctcctgc 540
 acttagcaaa aatctgtctt aactttgtag tgcatttctt ccattacaaa aaaagttacc 600
 tgcttaaagc aaactaactt gtatttgctg agccagtggt attactcat gcataaaaca 660
 aatttcgggt tgctatttct tctagcaaat ttcaagtaaa aataagggtg aaggaggaat 720
 ttgttttgga tggatgcagg tcagtttgaa ttgctatact taactaaatg cctacatgta 780
 ctatagcttc acaacttagt ttgcttttat aatctttatg gatattggcc gtgttcaagg 840
 ttttcagagt tgagcatatg atacagtatt ccatcaaca aataaggcta ctgaatgtgc 900
 tatctgcaga agagctcatt taataggaac tgacctaaaa gttccatcat gaagcacacg 960
 tggcataaaa gtcaaccggg gggcagaact gtgcttgga aataggcatt ggaatacttt 1020
 aagcaaaaaca catataaatg gttattcata tgcataattga aaacatgaaa actacttatt 1080
 aaagtctagg tgaatcctca ttttcaaaac tgcatattga aaacatgaaa actacttatt 1140
 caagtaattt cttcaaaaaa gtttgcatgt tctgactgtg gaattagtct actgggcaat 1200
 taaaggcaat ttttaaccacc ttttaaaaaa tttttcatag aaaggagaga tgttatgtgt 1260
 ttctcaaata aacggcatta tgtaagtcca ataaaaaat ctaacagaat tgaatgaaga 1320
 cctacaaatg cttatgccaa gcaggaatct gcctgccacc tgtggtctca cattaattca 1380
 aaatagggtgc tgaattcagg attctgaaac taagtttcta ttacttgagc tctagcaaaa 1440
 tgtaagggtc ggtagcctca actagtgtaa tgtcttccct gtccaaatcc agaatgatta 1500
 tactgataac ctccatgctg gaaatgctgt tcaaattgac ccccttggtg ataattctgg 1560
 ctccctcttc ctccccagcc tctcctctgg cctgcacgac caccctggcc tccacgacca 1620
 cctcgcccac cacgaccacc accacgatca ccatggtgcc cgccatcttg gtatctattg 1680
 tctgtctggt agccaccacc ctggtatcca ctctctgtat atgaagaaga tgtttggaag 1740
 ccaccataac ctccgccttg atagccacca ctgctgtggc caccatgata gccacctggc 1800
 tggaaacctg aatctcgata accaccatct tggtagccac ctctccacc actccctcca 1860
 tctgtccagc ctcttgatg cttatttctt ctctctcccc ctcgccacc atggtcatag 1920
 ccaccagtc cacctctccc gcctccttgt tcatgacctc ctgctcctcc gtatgaggaa 1980
 tgttcatagc cacctctccc tctcctctgg cctcctgttt gctgctgggg gccatcttgc 2040
 ctcttctgcc acggtggcat ctctgggggt ggagggttca tttcattggg tctaccacct 2100
 ctgtcaggca cctgcccac caacacctta ttgatggcac aggcagctct ttctcttata 2160
 gagccgctgc ttgtccttaa aatctttgac aagtcctgcc ttgcagccaa aagatgggca 2220
 acagaaatag tagttttagg ggataagact gaacgtttcg gctgggtaaac cttgggtaat 2280
 ttttctgtct ggctcttagc tctgtcagac cagccaaagg attgtacagt gacatccaaa 2340
 cgttttatta gcagctttct ccggacttca tattcattgg ctatggcttg gtttaattgcc 2400
 ca 2402

09453723.043100

<210> 4411
 <211> 1418
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1419)...(394)
 <223> similar to gil817584 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4411
 tttttttttt ttacagttta actgctttga atagcatttt taatagcaaa aatgtgttta 60
 tactataata gcttacaaacc atctttttcaa ccatcttttt caatacaaaa taaacatatatt 120
 cattttcata ttttacattt ctcacctcta taacatatac aataaaaatc ccagacattg 180
 ttggctggct gattcttgca aagagatgca taagtaaact agtcaagtac atcttaacca 240
 ttttgggtgt catttagtca gtcagtcattg aaacagtaat atggagacat aattttgaaa 300
 attaagcaaa tgaatctgtt ctctagaaat gcctttttctc gagttatagt attatatatta 360
 taactattaa aattttatata aatcagtagg ttttattttcc acaccttcac aatcccatct 420
 ctagaagcag ttacgatgaa gccctgtgtg gtctggaatg tggcgacatc agtgatgatg 480
 tcatgatgtc ccacgggcag ggactctggg ccccttcgag ggggtgtcatc acttggtcct 540
 actttctgct tattctgaat ttcctggaca acttcagtgc cttcaattat tttcctgtag 600
 taggacacag atggggaact agtacttcct gcaacaacat aggacctttc tgggtaagcc 660
 aagtcccaaa accttatttt catatctgag ccagctgtta gtaggatagg atttccatct 720
 gcaggactac agtagatacc atggacgcta tgaggagaag gctgtaattc agaaagtggg 780
 ggtgcactgc tggcccagag agtaaattct ctgtcaccag tctccatgtc ccacatggac 840
 acttcgttgt tgccttgaac agctgcaatc acccaggact gatacagagg gtgcattgag 900
 aggcgtctga ttcgagccct ggaaggatga cagtgcattg aaattggcaa ctggaacctc 960
 atgtcccaac aagccatggg accactgctt gtaccaatgc agagccagca ttggtggatg 1020
 tccacagcaa aggaagtgat gagggccgac tttaaatcat gctttaaagt ccacgcattg 1080
 cttgaagacc taaggtccca gcccaaccaga gagccattca cagtggcata ggcaagaaca 1140
 gactgtgctc cagagttgaa gtgatgcata tccacaacac aaccgtcctc cttctgatct 1200
 agaattctgc tttgtagagg atggatttta ggagacttgg gcagcttaga agcctcaatt 1260
 ccaagaagct ggacagcacc attatcagat gctatggcta aatagtggga gccttggcag 1320
 aatgtgagcg tcttgactcg tctccaatt cggctgtatg taagaataga tctggttagtg 1380
 gtggtcttcc cctccatctt ttgactgttc cagatttt 1418

<210> 4412
 <211> 466
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(300)
 <223> similar to gi2257540 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4412
aagaaggggtg ttgtgttacc cactctatcg ccatttcaag ctggtgatga aggcctacag      60
ggacactata aagatattgc aactgggtaa aagtgcagtt ttaaagtgtc tcctggatat      120
tcacaaaatt tttcaggaaa atgacccagc gtacatactg aatgatctct acatctcaga      180
ctactgtgtg tggattcaga aagtcaaadc caaaaagttg gcagctcttg cagaagcctt      240
aaaggaagtc tcccttacaagg gcccagct ggggttagaa ctggaagaac tagaagcagc      300
agcactgctt gtccaggagg aagaaactgc attaaaagca gccattcag tttctgggca      360
gcagacactt tgctccagct ctgaggcaag tgattcggag gactcagaca gcagcgtgtc      420
atctggaaac gaagactcag gctcagattc agaacaagat gaactc                        466

```

```

<210> 4413
<211> 717
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (48)...(567)
<223> similar to gi2149049 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4413
cgaccacgc gtccgccac gcgtccgtac cgtaggagga cttatgaatt gacattgggg      60
acatcactgc gaggaaggct ctcaggaaac agctgcagtg caagaccttc cgggtggtacc      120
tggtcagcgt gtacccagag atgaggatgt actccgacat cattgcctat ggagtgtgtc      180
agaattctct gaagactgat ttgtgtcttg accagggggc agatacagag aatgtcccca      240
tcatgtacat ttgccatggg atgacgcctc agaacgtgta ctacacgagc agtcagcaga      300
tccatgtggg cattctgagc cccaccgtgg atgatgatga caaccgatgc ctggtggacg      360
tcaacagccg gccccggctc atcgaatgca gctacgcca agccaagagg atgaagcttc      420
actggcagtt ctctcaggga ggacccatcc agaaccgcaa gtctaagcgc tgtctggagc      480
tgcaggagaa tagcgacctg gagttcggct tccagctggg gttgcagaag tgctcggggc      540
agcactggag catcaccaac gtcctgagga gcctcgcgtc ctgacccacc gggggcactt      600
ccggctgcct ctttgtact gtgtagcacc tgctgcaacg ttgcctgctg tccacgtggg      660
gttggttggg gtctggggaa ccagggttagt gggcccccaa gaagagcttt ttatttc      717

```

```

<210> 4414
<211> 1382
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (5)...(448)

```

<223> similar to gi6018823 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4414

```

ggtgtctcac cactacgtct ccacattcct gtccggagtg atgctgacct ggcctaattgg      60
acccatttat cagaagtttc gcaaccagtt cttagcattt tccatttttc agagctgcgt      120
ccagttcctg caatattatt accagagggg ctgcctctac cggctgcggg ccctggggga      180
gaggaaccac ctggatctca cagtggaagg gttccagtc tggatgtggc ggggcctcac      240
ctttctcctg cccttcctct tctgtggcca tttctggcag ctctacaatg ccgtcacgct      300
gtttgagctc tccagccacg aggaatgcag agaatggcag gtgttcgtac tggcggtcac      360
cttcctcatc ctcttcctcg gcaacttcct gaccacgctc aaagtcgtgc atgccaagct      420
ccagaagaac agaggcaaga caaagcagcc gtgagcctcg ggctcctgtg ccctcggccc      480
ggacttcaga ctgcaggggg ctcccgggct ccttcccagc agccctctca ggcccgtggc      540
atcgtctgga gagggcccag gccctggtcc ccagtgagc ccagtggtc tagaggaatg      600
tgagccccgc ctgtccgcac agtgtccgcc cacctattta tgacataatt aatgctgggt      660
ccccaatcgt ccctggaacc cgaggcctca ctctgtgct tgaagggtggc tgaggccggg      720
ccagtcttcc tggggatggg gcctgaagcc tcagggagcc cctctgttcc cactcctgtc      780
atgtgaaccc ctctgggtgg ggtttggatg tgcctcgcgg gggttgattt atgctgacct      840
gctacttacc aggccaggc tggggtggtg tgaacctca gtgtcctgtg gcgccccac      900
cccggggcca ctctgcttct gctgtgagcc ccctcctcgc ccaccccgcc acgtggtgag      960
ggttatttta agttctcaga gacccaccgc gtctgcctcg tgctcttctt gcccctggag     1020
cgctgggggc atcctgagtc aggtctgtgag aagattcgcc accagagggc gccccggggc     1080
ctgggtcgtc caaggggaca aggacgttcc cgtctgtgct tcgggggttcc ctgaccccccc     1140
catcctgcag cccaccttcc tgcagtgtcg tggcagagcg ctgagagcca ccttggcggc     1200
ctcccgaag acgtcctcca cattctcccg aaacttggcg gaacattcca ggctgtctt     1260
gaagcctgat gagcaccatg gggattccca gggccaaacc tgtacacctc aggaaccact     1320
gcgcgacgat tgagcgggta ctctgtggct atcgttccgc tctctaggcc gcttcgtagt     1380
gc

```

<210> 4415

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (12)...(573)

<223> similar to gi639693 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4415

```

cggacgcgtg ggattccaaa ctccaagaaa atcctgaaag ttgcctatca attgttcggg      60
aaaaactcta caagggcata tcttgggtag aagtagaagc taaagtgcaa accagaaatt     120
ggatgcagtg taaaagtaag tggacagaaa ttctaaccac gaggatgact aatggtcggc     180
gtatatacta tggcatgaat gccctgcggg ccaaggtcag ccttattgaa aggttgtatg     240
aaataaatgt ggaagatact aatgaaatag actgggaaga tcttgctagt gccatagggt     300
atgttcctcc atcttacgtt caaactaaat tttctaggct gaaagctgtc tatgttccat     360

```


<220>
 <221> misc_feature
 <222> (28)...(542)
 <223> similar to gi3004821 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4417

agaaatcagc	tttcttcaca	gaagtcagtg	ccgtgggtac	ccattttaaa	atccctgcc	60
ctttgggcta	tcgtagttgc	acacttttct	tacaactgga	ctttttatac	tttattgaca	120
ttattgccta	cttatatgaa	ggagatccta	aggttcaatg	ttcaagagaa	tggtttttta	180
tcttcattgc	cttattttagg	ctcttggtta	tgtagatgcc	tgctctggtca	agctgctgac	240
aatttaaggg	caaaatggaa	tttttcaact	ttatgtgttc	gcagaatttt	tagccttata	300
ggaatgattg	gacctgcagt	attcctggta	gctgctggct	tcattggctg	tgattattct	360
ttggccgttg	ctttcctaac	tatatcaaca	acactgggag	gcttttgctc	ttctggattt	420
agcatcaacc	atctggatat	tgctccttcg	tatgctggta	tcctcctggg	catcacaat	480
acatttgcca	ctattccagg	aatggttggg	cccgtcattg	ctaaaagtct	gacccctgat	540
atggggatct	cgctccatcg	cccaggctgg	agtgcagtg	cgtagatctg	gttcaactgca	600
acttccatct	cccagggtca	agtgattctc	ctacctcagc	ctcctgagta	tctgggatta	660
caggcgcccc	tcaccacgcc	cagctaattt	tttgattttt	tagtagagat	ggggtttcac	720
catgctggcc	aggctgggtct	cgaactcctg	atctcatgat	tcgcccacct	cagcccccca	780
aagtgtctgg	attacaggca	tgagccaccg	tgcccggccg	cttcgcattt	ttcttttgca	840
ggttgcatgc	cagccaatat	tcctctgtgc	tggaaggga	aagtttgagg	atgtatcaag	900
accatagcag	tgatctcac	tgctcttgcc	tactcagggc	tttatctaca	cattgatagc	960
ccctcagagg	aaaggcacca	gccgaagagt	cgacactggc	tctgggcttg	gatgtgcct	1020
ctgataaacg	ctgggcactc	tgaccctgaa	gccaggggag	gagtgccttg	cagctgcctg	1080
ggcacactcc	cctcagtcga	gttgccaggc	gaaattatac	agtggatggc	agctccacag	1140
agatgctaaa	gtttgaggtc	taagtgtcag	agagagctga	caatttttat	gaggaaagtg	1200
aacaacaaca	ggtgtttatc	agtacctgag	aattatcatc	tagtttaatt	aagcaaaggt	1260
atcaggaggt	ctgtttcagc	tcattccctt	tagtatggcc	ctaaaaaatc	aacagaactg	1320
tcctacttca	tggtgcccga	ctagcaggca	ggtatgtgaa	cctaaagtag	aagtcctagc	1380
ttacatatta	ttcataatta	aacacagttc	attttattat	tctggcaact	agtgatattt	1440
catgattata	ggccttaaaa	atctaataca	agtacaatta	aaaaaagaca	tagaatgctt	1500
acacaataca	gaaggcactt	tgaggttaca	tgataaataa	aaatacatta	atagaggcag	1560
gattatttat	tggttccttc	agtgtctgtg	tccatgggtga	tcattgagag	cccagttttg	1620
tacttcacct	ttggcgaaat	agtgtttaaag	aaaatggcac	caaaaacatt	aatagcagca	1680
gcaatataga	acacggtttg	ccattctcca	acagtgttat	caggggtcag	acttttagca	1740
atgacggggc	caaccattcc	tggaatagtg	gcaaagtgtat	ttgtgatgcc	caggaggata	1800
ccagcatacg	aaggagcaat	atccagatgg	ttgatgctaa	atccagaaga	gcaaaagcct	1860
cccagtgttg	ttgatatagt	taggaaagca	acggccaaag	aataatcaca	gccaatgaag	1920
ccagcagcta	ccaggaatac	tgccaggtcca	atcattccta	taaggctaaa	aattc	1975

<210> 4418
 <211> 1919
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1741)...(1484)
 <223> similar to gi2295240 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4418

tttttttttt	ttaaaatatg	aaccatttta	ttgaagaaca	gttatacagt	gtagctacag	60
atactgacta	gatactaaat	atctctgcct	gatttttcat	tgtcttcaca	agttagggaa	120
tagaaatcaa	aaaacaaaa	atctcaaag	atcttagctgt	ccagaacata	tttgacaggt	180
ggataaattt	ataacagctc	tgacatataa	atcttctaatt	agagaatcct	ttcattttga	240
aaaaattgag	atgataattac	cctaattgaag	tttttacctg	aagttaacaa	agtcctggat	300
ttgatatatt	actttgaatg	cattaatttct	gaaaatttat	atcttagttct	actttataac	360
atctcttctc	ttaaggatgg	gatatgaggt	acacatgagc	tggtttctac	agtatgaatg	420
tatgtacata	tataaagtat	ggttgtaaag	gagtggtgga	tttgcaaata	aagcacatta	480
tacacaaaat	ataaataact	tcccttttaa	aagttactga	gaataaagaa	tatagaacat	540
ggttataggc	acttacattg	ctatcaaag	caggaattca	cttcaataag	aagtgccttc	600
tttgtaagca	tggttcatgg	caatagaagc	tccaactttg	gagaggatgc	tttccgtgac	660
aaaaataata	accacaaaa	aaatggtggt	tgaaggaaaa	cagtccaaat	ttacagatgc	720
tttaaacttc	ttttggcctt	ggcatcagct	ttcatgttaa	aaaataaagc	tgggtgggaa	780
gctatctcac	ttgcaaagta	aatggcttgt	atgagattgg	cgaatcttgg	tcagatattg	840
cattttttaa	gcacaaaacc	accggccacc	aatatcttcc	tgtgcatgca	tataaattat	900
tttcttctaa	ttcaaattgg	agcagaggaa	tcccggcggt	catgtgcatg	gagacacaca	960
cacatcacta	aggacacagg	acaaactatc	ataaaataag	cagtatccca	aacacatcat	1020
catctatagg	ctgtttttaca	aaggtagaat	acaaacgaac	tgaatgtctc	aggtaaaagg	1080
caaagtctat	ttctccatct	ctgctgcgct	catttatctt	cttaaggctt	tcaacagaaa	1140
gcaccgtttt	atgaaacagg	caattcagta	cccagagctt	gactggagac	actaatcagg	1200
attgaagtct	tgatgcagtt	cataaaaacc	cacttaaaaa	aaggcatcaa	aaaccacatt	1260
taaaataaag	ctgtccatat	ataaagaatg	aagtgttttag	aagttcccag	cttgatcctt	1320
aataagagta	ctgaaagggt	taataattagc	agcctgtgaa	cacgtagtga	agaaagagtc	1380
tgagaaccaa	gttaacatcc	ttattccact	ctaattccac	ccatgccatg	ggtaaaaaca	1440
gttcttgcag	tctagagttt	ctcctccgat	ggtttaacca	tcagattttt	acatcttggg	1500
attcaaccat	cttggcaagc	gtcttcttaa	ttctcaatgc	tgtgagtcgt	gaggctggat	1560
tgtgggcccc	gcattctgac	attagcttca	aaactgctcg	tagacattca	tcactgttcc	1620
accgattaga	cacaattggc	cgcaaacggt	tgacacacac	aacctcacgc	atatcttcgt	1680
atgacggatc	actcggtagc	atgttgtaat	atggcaattg	gtattcttcc	ccgatcccta	1740
taaggggaatg	agaaaacatg	ggcacaaaa	tggttgctgg	acaagatata	ccaatctagt	1800
aagcatcttt	tgctaaacta	tggaaactaa	acggattctt	acacaagaaa	aaatatagac	1860
cctatgattc	cctcttaata	gtagaagtat	gtttttctct	tatttatgtc	caactattt	1919

<210> 4419

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)...(372)

<223> similar to gil841555 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4419
actgatagcc ctcgaaaccg ttgaggaccc tccgggacga cccacgcgtc cgcacacagt    60
gggcatccag gatctccccg aggtagcctg agccgccacc ccagctccca gctggcaggt    120
cctgggggtgg aggggggtga aggcacccag aaacctcggg actacatcat ccttgccatc    180
ctgtcctgtct tctgccccat gtggcctgtc aacatcgtgg ccttcgctta tgctgtcatg    240
tcccgaaca gcctgcagca gggggacgtg gacggggccc agcgtctggg ccgggtagcc    300
aagctcttaa gcatcgtggc gctggtgggg ggagtcctca tcatcatcgc ctctgcgtc    360
atcaacttag gcgtgtataa gtgaggggct ctgccccgca tcccaagact tttcttcctg    420
ttgggagctg ccttgggccc attccctccc ctggggggag cccaactgat ggccctggcc    480
ccaccctaa ggaccaaggg agcctgagcg gccttgttta cagcttctgt cctgctcctg    540
catctttgct agggtccttt tgccaactgt aagggccttg cctcattccc tggcaatggt    600
tccaacctcc ctgcactaat gcctgcattc cctccggcct cttggccccc tatccctgca    660
cttctgggaa acctccctgg cactctggga aacctccctg gaacaacttc ccaaatt    716

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<210> 4420
<211> 1412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1409)...(504)
<223> similar to gill109880 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4420
tttttttttt ttagtgtaaa cattcacata tttaatagta cttttaaaat aagcattact    60
acatttataa tggttccaaa atgaatctat aaatggtaat ataaattaaa aaatacgaac    120
ttaaagttaa taaattttta acctagctta tggataaat aatggtaaat gtatagtgtg    180
cctttgagtc attaaaatgt cttaaaagat aacagcttgt taccagaaca ttagaaacca    240
tagccatgat tctcaagcgt taacaatcta catttgatat tttcttggcc actgcattct    300
tcaatgaata ataatttcca gaattccatt ccatgttgtt ttccaataga tcttttcaca    360
ctcgatgttg aatacatggc tctttgcaga tgaataaaac aagtgcattc agttagagaga    420
tccattttgc gaaggctcat tcgactgaag gaatctctgt gggcaggtga caggcaatac    480
tgccctgtat aactgaggga tctttctgtt gatcagtggc tgtagggcct ctttaaggcg    540
atgatagttt ctctccagtt ccctttgata ctcccttttg tccggcccaa ttaagctctt    600
attttttctt aaggcatctt cacacctttt agtaaaatct ttaaagcaga gtcgcagttt    660
attatgatgt ctgaagagct ttgggtcact aggtatttca gacagaaaaa cctgggcaac    720
ttcaaaggc ccctgattca ctgtggtgcc tacagatccc tggagtacca tctgaagcat    780
tttggggtct gcgggatcct gatgtgttgc aaatgccaac tcctgtgtct ttttctgcac    840
gtcctcaata gcaacttcaa ttggtgttaa gatgatctct tctttatgag tgacattgac    900
ccttgtttta atataaggaa aggcatgaga cgtagtcaga atggctctcc ttttgaattg    960
ttcatgaagt tccccatggg cacggccatc taaagtaaag ggtgtacagt acatgaatcg   1020
acgaagattg taatttttgt cgaaatagggt gattctgtcc ttcatctcat atgtgtcaaa   1080
gtatggctcc acataggtaa tctgaatata tgccttgtaa ggatctaatt tacacttgtc   1140
tacaggatta gagtctttga ttacttcaac cacatcctct ccaaattctt ctccgtaaaa   1200
tccctccaat ctgtgagata tctctgcaag tttggttatt gcaggctcct tgtaaacaaa   1260
ttcttgttca tccaaatccc cgaacttggt tccataaaaa ccaacacgaa aatagggtgcc   1320
aaacatccgc tcccagccag tactctgatg aacaattttg ctgaatgctt cttgaagttt   1380
accatgaatt gtggatagtt tctttgatcc cg                                     1412

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<210> 4421
 <211> 1887
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1890)...(1515)
 <223> similar to gi2394310 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4421
 tttttttttt ttaaaaatca aaaatgaaat atttattacc gctttttgtg acttaacacc 60
 tttttttttt taacataacg tcacagtcct catacaagta ttttaatgta aatttgacaa 120
 agcttaaagg taacagcatt ttcttctagt gaggaacacg ttgctgagaa aagaagaatt 180
 catgggacat acaataccaa ttccacaggc agatctgata ctaggcaaaa acattctttt 240
 ttttttcaat tgagggtaaa cacataggaa tatctaacat gaaacaatta atagaccgaa 300
 ctctgtacgg agttttgtta cagtattctc tttgtctcct tttatcccc caagctttga 360
 gtttctgata aagtcctagt tatggttcaa tgaccattaa taactttttt ttgtgttgag 420
 gaaagctgcc caacttaaga ttgttttgtc cacaaccaag gctcagaact cctggaagaa 480
 gctcctgctc tgtctttaaa tcttcattgg caagctcttt gaagaagagt cccccaaaaa 540
 taataataag aattggccta tggaagcacg gaactataaa ggatctgttt gaaactaaag 600
 gccacattta tgggggggaa aaaggtcatc atgatctcca gtgtgggtct tttctcattg 660
 ggagtgtatga gggttcagcca aaagttcatc atgatctcca gtgtgggtct tttctcattg 720
 gcccaaccag gtttaaaata tataccacag tctcgtcctg gatgggtgaat tctactatga 780
 accaaaacag tcattctttt ggggaccaac acacatagggt gtggaaaaca aggatataatt 840
 tttttttctc ttctaaaact atttgaggca accataacgg cgtgatcaac agaaatgtac 900
 caagttaaac cttagtctcc tatattttat acctaccagt agttataact ctcgagagtct 960
 ttttccagag gatctttaca tggacagaat tgtctcagtc agcccatgat ttcacatttg 1020
 tgttcttggt gcattgggtc tctgttgctt gatgaaaaat gacaaaagta aaaaataatc 1080
 acagctgtct ggaatttcat attaatgtgc aacatctggg caaagttcag aaagtcttaa 1140
 aatagttttt gcgtgtgttt ccttttccct tgagttccct tatactattg ggcatgaatg 1200
 tccataacct gtccgccaac attgggatct acagaattta acattgtggg gctctgtgcc 1260
 taacataatc aatcccagggt gggtaagggg tccccccgtg catcatcatg gctgggtggt 1320
 ggggatggct tggcaaatat gaatgcattg ggggtccatg tcttaattga gtagggtgtg 1380
 gggcatctg gggaggagtg taacttggtt gtgccatact cattcccata ggaccaccct 1440
 gagaaacgta gtcccctggc atgctctgca aacttcccc ttgctttgct attgctttac 1500
 atgatgaagg ttacatgtag tgccattgcc catccatgcc catattcatg cccattccac 1560
 tcataggtcc tgcaggccgg atccccatgt gttgctgacc atccaacaca aagctcccca 1620
 tgggtgacc cctctgacta tatgctgctc cttggctcac tgctcgattt gactggtcaa 1680
 tcatgggctg tactattatt cttctggcat taataaacca gttgtttact tggagaattg 1740
 taagtctgt gtcttgctt aactgtttct tctgctctt ggaagggtac ggatgtgtga 1800
 gatgtggaa gagccatgct ctcatgatat ttgttgctac tttggggaaa atgcctcttt 1860
 tcttctggcg ttttttgtcc ttatccg 1887

<210> 4422
 <211> 1152
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (61)...(946)
 <223> similar to gi3875428 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4422
 gcggccggct gccggaaaga gaactcactt gaccttcgct ctgagtttcc aaggggcagg 60
 gattccgagg actttaatgt aaaagaggag gctaattgctg ctgctgaaga gatccgttat 120
 acccacattc tcaatcgggt actccctcca gacatccgta tattggcctg ggccccgtga 180
 gaaccaagct tcagtgtctg gttcagctgc cttgagcgga cttaccgcta ttttttccct 240
 cgtgctgatt tagatattgt aacctaggat tatgcagctc agaagtatgt tggcacccat 300
 gatttcagga acttgtgtaa aatggatgta gccaacgggtg tgattaattt tcagaggact 360
 attctatctg ctcaagtaca gctagtgggc cagagcccag gtgaggggag atggcaagaa 420
 cctttccagt tatgtcagtt tgaagtgact ggccaggcat tcctttatca tcaagtccga 480
 tgtatgatgg ctatcctctt tctgattggc caaggaatgg agaagccaga gattattgat 540
 gagctgctga atatatagaa aaatcccca aagcctcaat atagtatggc tgtagaattt 600
 cctctagtct tatatgactg taagtttgaa aatgtcaagt ggatctatga ccaggaggct 660
 caggagttca atattacca cctacaacaa ctgtgggcta atcatgctgt caaaactcac 720
 atgttgata gtatgtcata aggactggac actgttccag taccctgtgg aataggacca 780
 aagatggatg gaatgacaga atggggaaat gttaagccct ctgtcataaa gcagaccagt 840
 gcctttgtag aaggagtga gatgcgcaca tataagcccc tcatggaccg tcctaaatgc 900
 caaggactgg aatcccgat ccagcatttt gtacgtaggg gacgaattga gcacccacat 960
 ttattccatg aggaagaaac aaaagccaaa agggactgta atgacacact agaggaagac 1020
 aatactaatt tggagacacc aacgaagagg gtctgtgttg acacagaaat taaaagcatc 1080
 atttaaccat agacaatttg ccaggatcta ggaaccacct aatggtagggt ggacagaaaa 1140
 ggaaaaaaaa aa 1152

<210> 4423
 <211> 3086
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1167)
 <223> similar to gi5921397 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4423
 atggaaaaaa ttctccaaat ggctgaaggt attgatattg gggagatgcc ttcatatgat 60
 ctggtgctgt ccaaaccctc caaaggtcaa aaacgccacc tctcaacatg tgatggtcaa 120

aatcctccta	aaaagcaagc	cggttccaaa	ttccatgcga	gacctcgttt	tgagcctgta	180
cattttttag	ctagtagttc	aaaagatgaa	ggacaggaag	atccttatgg	ccctcaaaca	240
aaagaggtaa	atgaacaaac	acatttttggc	agcatgccaa	gagacatcta	ccaagattat	300
actcaagact	ctttcagtat	acaagatggg	aattctcagt	attgtgattc	atcaggattc	360
attctcacaa	aagaccagcc	tgtaacagcc	aacatgtatt	ttgacagtgg	gaaccctgcc	420
ccaagcacca	catcacagca	ggcaaaactct	cagtcaactc	ctgagccttc	accatcacag	480
acatttcccg	agtctgtggt	agccgagaag	cagtatttta	ttgaaaaatt	aacggcgaca	540
atctggaaga	accttttctaa	tccagaaatg	acttctggat	ctgataaaaat	taattataca	600
tatatgttaa	ctcgttgtat	tcaggcgtgt	aagacaaatc	ctgagtatat	atatgtctct	660
ttaaaggaaa	ttcctcctgc	cgacatcccc	aaaaataaaa	aacttctaac	tgatggctat	720
gcttgtgaag	ttagatgcc	aaatatctac	ttaactacag	gttatgtctg	cagcaagaat	780
gggtccagg	atcgagctac	agagctagct	gtaaaaactct	tgcagaaacg	tattgaagtt	840
agagtgtgcc	ggcggaaaatt	caagcataca	tttggagagg	acctcgtggt	gtgtcagatt	900
ggcatgtcct	cctatgaatt	tcctccagct	ctgaagccac	cagaagacct	ggtggtgctg	960
ggtaaagatg	cttccgggca	gccaattttt	aatgcttctg	ccaaacactg	gaccaatttt	1020
gtcattacag	aaaatgcaaa	tgatgcaatt	ggtatcctta	acaatttctgc	ctcattcaac	1080
aagatgtcaa	ttgaatacaa	atatgagatg	atgccaaatc	gcacatggcg	ttcgtcgagt	1140
gtttttacaa	gatcactgct	tagctgaagg	ttatggaacc	aagaaaacaa	gtaaacatgc	1200
agctgccgac	gaggctttga	aaattcttca	aaaaacacag	cccacttatc	catctgtcaa	1260
aagttcacaa	tgccatacag	gctcttcacc	cagaggatct	ggaaagaaga	aagatataaa	1320
ggatcttgta	gtttatgaga	attcttcaaa	tcccgtgtgc	acgctgaacg	acacagctca	1380
gtttaaccga	atgacagttg	agtatgtcta	tgaaggatg	acaggcctcc	gctggaatg	1440
caaagtgatt	ctagagagtg	aagtaattgc	agaagcagtt	ggggtgaaga	aaactgtcaa	1500
atatgaagct	gctgggggaag	ctgtgaaaac	cctcaaaaag	acccagccaa	ctgtcattaa	1560
caacttgaag	aaaggagctg	ttgaagatgt	gatttcaaga	aatgaaaattc	agggccgctc	1620
agcagaggag	gcttacaaac	agcaaatcaa	agaagataat	attggaaatc	agctgctgag	1680
aaagatgggt	tggactggtg	gtggtttagg	taaatctggt	gagggcatac	gggagcctat	1740
ctcagtga	gagcagcata	agcgggaagg	gcttggtctg	gatgtagaga	gggtgaataa	1800
aattgccaa	agagatattg	aacagatcat	cagaaactac	gcccgtctccg	agagccacac	1860
agatttgact	ttctctagag	agctgactaa	tgatgaacgg	aagcaaatac	atcagattgc	1920
ccagaagtat	ggtcttaaga	gtaagtctca	tggggtgggc	catgataggt	acctagtgg	1980
aggtagaaaa	agacggaagg	aagacctact	agatcagctc	aaacaggaag	gccaagtggg	2040
ccattacgag	cttggttatgc	ctcaagcaaa	ttgagatctt	actaatttat	tttgtaaatg	2100
cctaagtagg	cagatttttg	aattaaagaa	atgctacatg	ttccggttgc	agagtatat	2160
cataagatgt	ctcaccttgt	tcattttcaca	tagtggttta	ttagatattg	gaacctaaag	2220
aattctgtcc	acttgattta	gcttaatcca	gcagatgata	ttgtgcagtt	actgtttgtg	2280
tctttgatat	tgctgtgtcc	ctcagatttt	agtagtttga	caagcaagaa	cacatatcca	2340
aatggaattt	taccctgaga	aattatcatt	ttaaagggca	tagcacagca	atctgcaaca	2400
atatgtaaa	ttgatattga	ctacaataaa	aatccagtct	taattccaga	tttactgaaa	2460
atgtcagatc	attttgtatt	aatctatttt	catctttgtg	tgaagccagt	tatagaatgt	2520
ttgacaataa	attgtgctgt	acacgtaaat	gtccttacca	actaaatgat	gtaaaacttt	2580
cttaaagtaa	tttttagtgt	tattttattta	taacttctac	catgtgattt	ccagactatt	2640
ggaagtgatt	tactgtatct	tgtgatata	gggttttaac	aaattctagt	cttcacgctg	2700
agagagcacc	tacttgagag	agcagttgaa	agtttccaaa	aactttgggt	caatctgaag	2760
aaaggaagct	tgaactgttt	gttcttggtg	ccttgccagag	agactcacag	caactctcca	2820
ttatagcttt	cacaccgggt	tggatgtgca	gcacatccaa	ggcaaccaca	gctgtggtag	2880
agcttggtta	aagactgaag	atacattgg	gctttgatga	aaaggtcagt	tggctgggtcc	2940
ctctctcaaa	aagcttatta	agcctgaaaa	gccaactttg	taacatat	aaaactgcta	3000
ttttcgctta	tttctggaat	gtaaaaaaa	aaaaatgtat	aaaaagaatt	agtggttgct	3060
tcttgaataa	aaaggagcca	aagttg				3086

<210> 4424

<211> 549

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (540)...(240)
 <223> similar to gi2887421 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4424
 aaaccttaga aaaataagta attcttttat ttctacttca aaatatacca tgtacatctg 60
 gaactctaag ggggaaagta accaggagaa tagtccatca aaaaaataag ataaataata 120
 attgcccatt tcagatccat ctttaatcca gctgaaaagg gtatgagctg ccagttgtct 180
 tgctgtcagg ggccaccctt ctgtcagtgg ccttgcggtt gcctcccaag gactctgagt 240
 ctaagagttc ctggagcgtc ttgaggacgt gctttggctg gctggcggca aagtccagca 300
 ggcgggagcc catgtgctcc tggaggctcc tggacagccg gcacaccacc ccgcggatgt 360
 tcccgtctgg tccaggcagg gtgccattcc tgggtggcgt gttcaggaag tgccagagga 420
 tgggaaggac atgccgctca acagcttgag gcttccgggg gtaaaactgag gccaccagca 480
 ctgccaggcg atttgtgaca tccagcaccg cacggccact caggaaacgc actcgcccag 540
 caagcgctg 549

<210> 4425
 <211> 2431
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (520)...(1205)
 <223> similar to gil747519 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4425
 gacagtctca aaaatgaggc attttcttcc ctaatattca ggtcatgtaa atataaaaat 60
 gatgcctcag gctttccctc tcccctaccc ctgccttcca gtgaaatggg gggtattgga 120
 agctgcttcc tctttatttt ttaaagtgtat ttttacattt ttagagatag ggcctcactc 180
 cattgcccag gctggagtg cagtggcgtga tcatggctta ctgcagcctc aaattcctgg 240
 gttcgagcga ccctcccacc tcagcctcct gagtagctgg gactacagct gtgttctact 300
 atgcctggct aattatgtag aaatagggtc tccccatctt gcccagcctg gtcttggact 360
 cctgggctcg agcgatcctc ctggctcagc ctccaaaagt gctgggatta caggtgtgag 420
 ccattgcgtc cgactatgct tgattgtcca aggatctgat ttctaggatt tgtggggcca 480
 gtctctctcc attgcctccg tcctgctgtc tcttgcttct acagggatct ggacaactct 540
 cctctgtccc caccttcacc aaggacaaa agcagaacgc atactcgggc actcaagaag 600
 ttaagtgagg tgaacaagcg cctccaggat ctccgttcct gtctgagccc caagccacct 660
 cagggtaag agcaacaggg ccaagaggat gaagtggctc tgggtggaagg gccaccctc 720
 ccagagaccc cccgactctt cccactcaaa atccgttgcc gggctgacct ggtagattg 780
 cccctcagga tgtcggagcc cctgcagagt gtggtggacc acatggccac ccaccttggg 840


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cccaggacc taaagctcgg agtggctgac atcattgact gtgtggtact aacaagttct 960
ccagaggcca cagagacgtc ccaacagctc cagctccggg tgcagggaaa ggagaaacac 1020
cagacactgg aagtctcact gtctcgagat tcccctctaa agaccctcat gtcccactat 1080
gaggaggcca tgggactgtc gggacggaag ctctccttct tctttgatgg gacaaagctt 1140
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ggctgacacc ccactccctg tttgacggcc cagcctggac ttggggagaa tgactttccc 1260
ttttttgccc cataagggtc agcataagct gaggtagaac ttatctttaa gctgcagcaa 1320
aatcaaggag tgacttttgt cccctctcct gttgaccctg gtttagagcc gttaaccact 1380
tgggtgagtt tgtgggtgtt gttgccctgg gtggcctgtg gctccgtcca caagtcatgc 1440
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cctcttttcc tcatggaaat gtctgcttta tgaaactatg cacatattga aagtgagttg 1560
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agatctagcc ccattgactc ttctagaaat gcagtattgc tttgacctgc catgtggcac 2160
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```

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<210> 4426
<211> 2447
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (2)...(472)
<223> similar to gi5912004 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4426
ggaagagatt gacagagagt ttcataataa acttaaatta aaagaagata aacttgagaa 60
acaggagaag cctgtaaatg gtgaagataa aggagactca ggagttgata cccaaaacag 120
tgaaggaaat gccgatgaag aagatccact tggacctaat tgctattatg acaaaactaa 180
atccttcttt gataatattt cttgtgatga caatagagaa cggagaccaa cctgggctga 240
agaaagaaga ttaaagtctg aaacatttgg aatcccactt cgtccaaacc gtggccgtgg 300
gggatacaga ggcagaggag gtcttggttt ccgtgggtgg agagggcgtg gtggtggcag 360
aggtggtacc ttcactgccc ctcgaggatt tcgcggtgga ttcagaggag gtcgtggggg 420
ccgggagttt gcggattttg aatataggaa aaccacagct tttggaccct aaaaggtctg 480
gattgatcgt actgctttct gaaagaaaga caacaaagtt gctgcatagt ctacaaacaa 540
gtctctgaaa ataggtgaat ttctagctct tcatggtcct gaacattgat ttcagtcttt 600

```

```

gcaaagaatg aagaagtga ttcgctgtac atttgtcacc agcactgggt ttttgttttt 660
tgtttgtttt tccgcttaat ttcaaagata aaatgcagtt acttttgggg gtggaaggct 720
catcttaaaa catgagcatt aaatatattt ggaatagcag aagggttaagt aatttcttat 780
gtatagttaa actaaagcag tacttcagtg ggacttaaca agtatTTTTT tcatcactga 840
aagggttttt ttttttatca ctaaatgtga tttggcaatt gcaagttgcc tgcaaatagg 900
gccgtgataa ctgtgttttg agcccacaga aggttgtgt gtgtgtgtgt gtgtgtgtgt 960
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gctgtataaa aagcaactaa ttttttaaag aataaacatt ttaaagtcag caaacatact 1260
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gttttccagg cttaacattt ttgatTTTgt tttttaatgt ttggaacata aatgaagatt 1380
tgatacatta tttcattatc taaaaaggat taattattca tgctcattgt aagaacttca 1440
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atgtaaataa tcacagatga gaatgtactt agctgtattt tcaaataagt aatcttcccc 1560
cctttttagt gactttaaaa ctaggcatca atgaacctgt ttttctatt atgcctggaa 1620
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tattgttcag tgctgtttgc ttgcatgta acaacaaaac ctttttagagg acccacaat 2160
catgatattg aacacagttc cgaggcattc agagcatcag agcaaagtac catgccaata 2220
catgtgtaga ctgttgagga tgtcccgggc caatttcaag aaagaaaact gtaaatacta 2280
gttctacttg ctctgaaatt atgagtttat gcgttttccc agccctccga atcactgact 2340
ggggcgTTTT gtgccccagc aataactggc agcatggcat acctgcagta ccccttacia 2400
tattaaagca aagtttttat tctaaaacag aataaaaactg ttcaata 2447

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```

<210> 4427
<211> 1785
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1786)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1740)...(1185)
<223> similar to gi4160304 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4427
tttttttttt ttttgacatt ttttgcttta ttaaacaatca ttactgaaa atttccaaag 60

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cactgtgtgg	ttgcctagac	ctgtgtacca	gcgctctggg	ggtcgggaga	agtctaaggc	120
acggggccctg	ccctggcgca	cggctccttc	tcccttggga	aggcagctcc	actggtgaaa	180
ggccactgac	caagtccaga	ccctgaggac	gacgaaggcc	tcggggcaga	agcctgagag	240
aatcatgccc	cactggcagt	gggagggcgg	tgcaggctgg	gagccctgcc	caggccccag	300
gctgagctgt	ggggaaagct	atgacccagt	ttgctgagag	ctgcaatgac	gaacattggc	360
tctgtgcccc	gaggcccaag	aaggccatgg	actgggctgg	cctttcctgg	gaaaggggga	420
aggaggaaga	actggggcct	agcagggccg	tctataccct	ggagaggcag	ggcctgactt	480
ctcccttttag	agcttgcatc	aagaggaggc	tcaggagaga	gagacttgca	tcagaacact	540
ccagacagcc	gatctcccac	tcagtattcc	tctcctggga	gacccaccca	gaccctgcag	600
gcccctggca	gccacgagga	gcagagaccc	tggagtaatt	tggcttgggg	acgtccccac	660
cccaggccca	ggccagtcag	tcacccaggc	tacagcttag	ggtaggggaa	ggggaggatc	720
ccggtcactc	cttcttacta	tgcgaacaga	ggcagaggag	ggatagaggc	ccagccccag	780
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ggcatcccca	caccctccct	ccccttcatg	tccacgggga	ataagacaca	ttgggctctg	960
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cctgggctgg	tgtatcgtgg	tccctggatgt	actgcaagat	gtccatctcg	tccatggctt	1260
ggatctgctc	ctgcggtctn	tgtgtcccag	ccacagcttc	agccggggcc	gctttggggg	1320
gaacagctgg	ttttctgggt	atcacgggct	tagctgccac	tgggtggctt	ggcttaagct	1380
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aggcggccgg	cagcaggagg	gagtcaccca	gggggatggc	cccggcgagg	tcaggatcat	1560
caaatagctt	caggggggtcc	acggatgaca	cgctcctccg	gggggtcctgt	ggagacagct	1620
tctgcccgg	gccaaagagc	ccttcatcag	ggtccacctc	ctcgtaaaag	atggtgagcc	1680
ggggcgaggg	cttggtcttc	acggccaact	tgggatgttt	cttcggacgc	gtggtcgacc	1740
ggganttcgg	ncgggtntcg	cagactctaa	naggttcaag	gcgcg		1785

<210> 4428

<211> 2186

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1711)...(965)

<223> similar to gi4688672 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4428

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cttggggatc	ctggagcggg	gtcacagtga	gcattcggtc	agccggggag	acagacgcca	180
caaagctcag	caggggctca	gtttctggcc	tctcttcgcc	accactcagt	cctttcagct	240
cctgggtgac	ctgagcctca	gtcgccagcc	accctgctct	tgtgccagcg	ccacctccag	300
ctccctcctt	ggttttgctgc	tgcgaagcgtc	tacgggctcg	ccgccgccct	tgccacactc	360
ggtgccacaa	ggcacagcgc	cagctcgctg	aggagggcag	ggatgcccc	ttccctgcct	420
cacctgaga	ccattcttgg	gctgcctcat	gtcccttggg	cccccgctct	gccagggctg	480

cgtggctggg	ctgcccctct	tctccagggg	ctccatgctt	tccagtgggtc	aggggcaggt	540
cccctggctg	cccagggctc	tgcattggccc	agtcctgcac	catctctcca	acctctataa	600
ccatctcttc	taccctgtct	tccccaccgt	cccctgcaca	tccctgctgc	tcctctttcc	660
cctcctcaca	gcagtttttc	tgtccatcta	ctttgagtct	tttgcttggtc	cctccctgag	720
aggactcccc	agttccacct	ccttctgacc	gcgttctctt	ggttgccctgt	tctatatggc	780
accccagtg	ttccctgaat	acctgcacca	gggcagcagt	gagctgggtg	aagggtgcaa	840
ggggtaaagg	gatcggcgta	gcagagagca	gggagctggg	ggagctgggc	tgcaagaag	900
ggagcagccc	ccagtcccga	ccccgggagg	aacggcgctg	gtactggagg	cttcggcagt	960
aattggctgc	tgctcggcag	cagttctgta	ggcgcccagc	cacccggctg	gtcacattgg	1020
ctgcgacatt	gtgactcagg	tcaaaaggg	cctggagatt	cagggggcca	aggcgagac	1080
cctccagag	attagaaggc	aggccccctg	ccacaggcag	tgctgaccc	tcccgagg	1140
acagcaggg	gccacgaaga	tccaacaag	atacacagga	gaagaactgg	gctagcagg	1200
aactgaggg	ctccacattt	atgctgggct	ccagtcttga	ggcatccctg	gggaaactgc	1260
agtcccagcc	atcgacttcc	acctgttccc	cctctcctgc	tttctgggtg	agctgggaca	1320
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gacagaactt	gaccacagg	cgccggggc	agggcacagt	ttggactcga	tacaccccag	1620
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taactcattt	aatcttcaca	ggaacccttt	ttttttttaa	agataacctt	ttaattctat	2160
aaaataaaa	gtctacctct	gcaaaa				2186

<210> 4429

<211> 5264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5266)...(1205)

<223> similar to gi3882325 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4429

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cttaagaaaa	ctttgagtaa	actctgtaca	ttgccagtta	atctttttcac	aataatttaa	180
aaatgggtgtt	gctgttggat	catcgatgca	agaagaccaa	caataaaaagt	acagtacaag	240
gaaattcaca	acataattaca	gtggaacaga	ctgagtcaca	tttaggtgat	ggcgaggaca	300
cagtagcggt	atatacatgc	acccgaagac	gtgcaagcca	agtaggataa	tataaggatc	360
atacagtga	ttttctaagc	ccactgagga	ctttgtacct	tttcaaaatc	atcctgtatc	420
ccctccagca	tacagaatat	ctgtcttgct	tactggcttc	atggcttttt	cactacaaaa	480

agttcactga	atcagacagt	ctgaagcatt	aaaaaattca	taaaaaacag	taacactgac	540
aaaataaaat	taacttaaat	cactctaatt	caacatggaa	ataaactgaa	ccaaatgta	600
acagtgc aaa	tttaacagag	gcagtcaggt	attgacagcg	aggggtgttca	gaatctctta	660
aaatgtacat	tttttaaaac	ttttatTTTT	taaatctatt	tatacccttat	ttacgttttc	720
gtttaatata	ctgtgtgtaa	aaaagatgga	gacaaaaata	gttttctgag	ctatgaaaaa	780
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tctcctgttg	ggcagagttt	tgttcatggt	gatgggtgtg	ttatgcaaat	tacagtgaat	960
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gcacagatt	cttctcatca	ctccaggttc	gctcatggag	ggtgttttgc	aaagccaggc	3900

tgtgcatttc	cagttctttc	cacctcaagg	catagagggtg	ctcctcctcc	atctccaggc	3960
tgaagcaggt	ctggcctccc	agcccggtggc	tcccgggtgtc	cccgtctgcg	cgggcggtgca	4020
gctcccgcgc	ggctcggagg	cgcaggctct	cccgtctgctc	ccctcggggc	ggcccagagct	4080
gccactccag	ctgctctttc	agtctggact	gcaagtctgg	gccagctcc	ttcccaggt	4140
tcccgatggg	ggagtcccgg	gacacggaag	tcacagtgga	gaggaagcta	gaggactctg	4200
tgagggtggg	caagggggat	aggccatccc	caatgcgggt	cacctgctcc	aggaaggcct	4260
gcagctcttt	cttgaaagcc	ttcatcttgg	cgttgatggt	ccccagcagc	tggggctcct	4320
gctggtcccc	ctcacccctgc	tctctttcgc	cctggaggcc	aggccccggt	aagggcgcac	4380
caccccgag	ccccgcatca	tggaggaagc	tgtcgggtgtc	cgtgatgagg	cgctccaccg	4440
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ccgacgtctt	ctcaaacatc	tcctccgagt	cactctcccc	gccaacaggc	ccttcccgt	4620
tgggctgggg	caggcggtc	tcctcccat	ccttctcctt	cttgcccga	tcactctcgg	4680
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cctgctggcc	ccgcgtgtcc	tccatctctg	ccttgaggcc	acggttctcc	acctccagct	5160
ccacgatctt	ccggcccaag	atgttggtt	cctcctccac	cagctttagc	cgcagcttca	5220
gctcggcctc	ccgggtgctg	ggggggcccg	ctgcttcccc	cgtg		5264

<210> 4430

<211> 2216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2217)...(487)

<223> similar to gi4884120 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4430

tttttttttt	tggcggtttt	ctctgttact	ttataaccct	ttcatactag	ttgaactttt	60
ttttttataa	tgtacatgta	ctactttata	attaaacaaa	aaactttaaa	atgatttttt	120
aaaaaagaaa	agaattaatc	acagtggaa	atgaaatgga	atgtcaactt	tggggacggg	180
tcatccagag	gagtccaaga	gccccaacat	ggtcgcgtgt	ctctggctct	caggatcatca	240
cccagcctca	cccacagggc	accgcccacg	gcccgtggccc	accgtgcaag	cttcacttgc	300
gtgcctgcgt	gggaacgcac	cacctgccgt	ggaacttctt	cctgcggggc	agaggagggg	360
tccagaagcc	acaggagtca	agtcagcaaa	attaagttaa	tttacaaagt	tatagtaaaa	420
accacaatag	tgacccagtc	cctcccacgc	agtgtgagcc	ctgtgagggt	ccagcacggg	480
ccacctcaca	gggcaaagg	ggtgaagaag	atgtgcatct	tggccaggaa	ggtggtgacg	540
gagccctgcc	tccagagctt	catctccacg	tccagggcaa	agtcccgggg	ctccagcacg	600
gcccgtgca	ggtagaccac	accggtgtag	gcattgagcc	tgcgcgtgcc	aaagtagccc	660
tcctcattgc	ccttgatgat	gttcaggggc	atggtgtccc	ccgtgaaggc	tggcgcgggg	720
ccaatgcgga	agatatgcgc	aggcaccagg	aggcccgtct	ggaagttgag	ctggtagtgc	780
gtgatgcgcg	ctggcgagtt	ctggcactcc	aggaagtcac	ggcacgtggt	gcgctcgcac	840

```

ttcgttttgg agacttggac atagttagga ggacactcga agcgcaggca gcggaagcta 900
ccctggatgt tgtggcagggt ctcagcctcg gaacagttgt gggtaaccag tgcacactca 960
tccacgtcct tgcaggacct cccgttggcc gtcattggtgt agccctgctc agggcatgca 1020
cactggtagc tccctggcac gttgagacag cggaagggtgc agaggatgcc ggcgccttga 1080
gcacactcgt cgatgtctgt gcagggtgtgc ccatcctcag ccagctggta gccctggcgg 1140
cagtagcact ggtaggagcc atagatgttg gcacactcct ggctgcagcg ctgggcctca 1200
cactcattca cgtcttcaca gcgcttgccg tccgctgcta gcaggaaccc ggaggcgag 1260
gaacagcggg aggagccgag tgtgttctca cacgtgtgct ggcacaggcg gcctggcgag 1320
gccagcact cattcacgtc gatgcagccc cggccaaagg catcccgtg aaagccggct 1380
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cagctgaagc ctggccgaca tggctcggac agtgacgtgc actcgttgat gtccacacag 1620
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tgtcgccggc tacaatcgtg agcaccatc aggcactcgt cttggtcttc acaggacacg 2040
ccatccgcca tgatggcata gccgggaaaa caggagcata tggctgagcc cccaacagtg 2100
ctgcacacct gcttgcaggg tccattgtct ttgcaggat tgggctgcgg cagtggcagc 2160
gggatggtgt tagaggccac ctgggaaaat tctgacttca gtgcaggctc ctgtgg 2216

```

<210> 4431

<211> 660

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5)...(200)

<223> similar to gi5020264 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4431

```

aacagtggaa gtaggaggcc caggcaatct gtctcctcca ctcccacctg ctctctcccc 60
tccaactcct ctggaggagt caactccagt cctgctttca aagggcagcc cggaaagaga 120
agactcatcc aggaaattga ggacagatct ctacatagac cagctgaagt cccaagacag 180
ccctgagatc tctagcctct gtcagggaga ggaggcaacc ccaagacaca gtgacaagca 240
aaattcaaag aatgctgctt ctgaggggaa aggctgtggt tttccaagcc caaccaggga 300
ggttgagatc gtctcacaag aagaggagga tgtaaccat tcagtacagg agccttcaga 360
ctgtgacgaa aatgacactg tgacagacat tgcccagcat ggcttgagga tgggtggagcc 420
ctgggaggaa cccagtgagg tgacagagtc ccttcaactc cccaccctga aagacgcgca 480
caaggccag gtacagggcc ttacagggtc ccagttggag aagaggcttt cccacaggcc 540
cagccttcgc cagagccatt ctctagatag caaaccacag gttaaaagcc agtggactct 600
cgagggtccc tctccagca gctgtgctaa tcttgaaaca gagaggaatt ctgaccctct 660

```

<210> 4432
 <211> 3311
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3312)...(640)
 <223> similar to gi5725508 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4432
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 ccacccctgc aggtggcagc ctgagaacat gtggctctcc aaaccctgcg acgctgcggc 120
 ccttttaggtg atggatttta aactgaaga cagtcgtggt cattcttgaa gacagcttgg 180
 ggtccagctt tggagcctgc tttgacattc accattgact ccctgcccc a cgcctctctt 240
 gtactaattt tttcccctgt gaggtagatt atttatcggg gaaaccagat agaatttttt 300
 tttttcattt aagtttgcta gtcctttgca aacagactga cgctgagtgt cctgtctgag 360
 tcaataagtg cacttttacc ttttaaccta tgccctctac ttgaacccga gcaaggtcca 420
 gtccactgga cagttgatga tagggtctgc cgccccatac cctctcctct tcccccttag 480
 gaatttgtag agtactggag gggttgcggc aatgggaggg ctgggtgggg cgtgctgcct 540
 tgatatggcc aagggactca gtcaccacag tggagaccct tgtctgcacc tcagtaccgc 600
 atgtccagga gcacaagact ggcccctgcc cccctgaatc acagggggca cagctggcct 660
 tcgcagggtc tggcatcctc gggtttcaaa gccttggtgc aggtggcaga ggccctggccg 720
 gaggggtccc tgcactctac agttcgcctc tgccagccgg ccccgaggt gctagagcac 780
 tcagaccagt cccccagcac ccactgtgcg tggagcagcg gctggatgat gttggtggtt 840
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 ttgacttttg gggggaagac ctgcgccaggg actgtcagga gctgcactgt cagaggctct 960
 ggcaagggcc ggaagctctg caggcgctcc aggttggcga tggagccgct gtacttcagg 1020
 atggtccctc tcaccaagat gtccctgctc atggcagaga tggccagggt gccgttgagc 1080
 aggtactgcc catcagccgt cttcagcgcc aggtagtcc catcgctctg cacacccggg 1140
 tggctccgct gcttcacgtc aatattagtg gcaccagctg ggatggtgac aatgtcattg 1200
 tagccataat tgggtggggg gagggacccg gagaccttc tgccaggagt gcctttgccc 1260
 ccacacaccc cgcatttgtc cagcttccga ggcgagtgca ccacatggtc acagccggcc 1320
 ttgacacact ggccacggac acagatggcc agtgtttctg gccacacag ggtgccatca 1380
 atcaccttgg cctcgaacac tttgaactcg ctccctcccc gggctcggca gaacaacttg 1440
 cagcgggtccc gggggggacac cccagcatac ttgggggaccc actgcaggag attcccgtcc 1500
 atgtcagtgt aattgtaggc attatacttc tcacactgct gctccctgaa gcttttcccg 1560
 tcaggggggc attcctccgt gtggcatgac tggtagcttg ctctccgacc caggcagtat 1620
 cttcctccat tctgaggctc ggggtccttg cactcacggt gtgaaaactg tactcctcct 1680
 ccacagggtc gagaacattc tccccagggt cccacaggtg cccagcctcc atctgccacg 1740
 ggcttggggc tctccacttc ctccctcaggt agacagctgc cttctgagca gaggtgcccc 1800
 gggcccgacg gcgtgcctgc agcccagggc aggtcgccat tcttcgtgtg gcacaggggc 1860
 tcagccccat cagtgtggca ccaaagctgg gcgcagagct cctgagcaga ggtgttgggg 1920
 cagtggcgga aatccggccc aaagatctgc ctgcactgct ggtccagctg gtacagggcc 1980
 atgcggcccc ggaggcctgt ggggaggggc agggccgcac caggggcatc caggagagag 2040
 tctccgtgcc cgcctgccag aagctctgtg agatacatgg cgctgcaggg ggaccagggc 2100
 agcgtctggt tcaggtggac gaacagcggg gccatcacgt ggtgcttgcc catgggcccc 2160
 aagagccgtg tgcagggctt ggagtcgtcg tggggcatgc tgaggacgtg ccctagttca 2220
 tgggccaggg tgtgggcccgc ctggagcccc tcatcctcga tcacggagca gcttttgttg 2280
 gggtcacaaa tgggtccgat gtctgccaca cccagggtgt cacacagccc ctccctgccc 2340
 cagaagtctt gtctggtgag caggatggcc gtgtcgtagt gctctgggtg gcggtcgctg 2400

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tggtggtctc	ctctctcctg	cctctgaccc	tctcccgtct	ccacctccca	ctcgggtcct	2820
cgcgggaggg	ggcgggctcc	ggcgggaccc	cagcgtgca	ggcggtgctg	ctgagccagg	2880
gagcccccg	cgccctgcgg	ctggatggtg	aactcctcgc	cgtccagcag	gaaggagccg	2940
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gaaaaaaaa	agccgcgcag	ccccgcctcg	cccccggtcg	cccggccgga	gcccccgagg	3060
cgctcgatct	tgaactcggg	cgccaggaag	ctgtcgtcgg	gcgccaggcg	caacacgaag	3120
cccttgccga	aggcggacag	gtggagcgcg	agctcgcccg	cgctgccggg	caaccgcgtg	3180
ggcaccacca	gctccgaggc	ctgccccccg	gctgcggggc	gggccggggc	gccgcggggc	3240
agcggcagca	gcagcagcag	cagcagcagc	aggaacggaa	gccaccgggg	ggcggcgggg	3300
gcggggaaca	t					3311

```

<210> 4433
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (197)...(439)
<223> similar to gi6014636 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4433						
agccccgtaa	tgatgtaaag	caggtcgttg	ttacattgta	ataacaatct	gcggtaccgt	60
cttctgggcc	cgtgctaggg	aagtggcaca	cgttttcatt	cagggagagt	gtggcgtttc	120
catgtggact	cgccggaagg	tctttgaagt	aacattaaca	ttaagacaag	tttcctcgcc	180
ctgtctttct	tcttagatcc	ccctagctca	gtcggaggcg	ttcctaacgg	atcttttgga	240
gaaagtctgt	gagcgaatga	acgactacaa	gcttgaggaa	gaccctgtga	cgaaggagag	300
aactttcaag	agattcgctc	ctaggaaaag	agacaaaata	taccaagaat	ttaaaaaatt	360
gtatttttat	tctgatgctt	acagaccttt	gaaatttgcg	tgtgaaacta	taatagaaga	420
gtatgaagat	gaaatatcct	cacttatcgc	ccaggagagac	acactattct	agcntgacaa	480
gctgttgtag	ttgaaaaatt	cagggtagctg	tgttntgatt	gttaaccngt	ggntcgggtg	540
ntcgcacacc	c					551

<210> 4434

<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(642)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (20)...(340)
<223> similar to gi2959884 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4434
gaccacgcgt cgcgccaata caaaagtgag aacatgtatg cataatcaga aggatgcagt 60
gcagatgcct agtgaaactc tgaaagcaaa aatggtacct gagaaagttc cccgcagatg 120
tgctactggt gctgcaataa aaataaagat aatgagtaat ctaaaagaaa cgatctcagg 180
accagaaaat gtctggatta ggaagagtag cagaaaactg ccccatcgaa atgcttctgc 240
tgcggtctaaa aaaaaattac tgaatgttta taaagaggat gatacaacca taaattctga 300
aagtgaiaaaa gagctagaag atattaatag aaaaatgctt tttttaaggg gggttcagatc 360
ctggaaagaa aatgcacaat agtgactatg agaattgtaga agtggcatct gaaaacaatt 420
ggtacacaag taaactggca gttacattct gctcccagct ctaaaattac tcccttattg 480
gcatctttgg aggaattttc taaaagccat aatccagtgg gttcctccca gtcagctctt 540
gtacagacat gtgctctggg gaattctgag gaggaataa attgcagagt ctgtangtgg 600
agaggaggaa agaaaagaca aatggtctgc tataagacta c 641

<210> 4435
<211> 5662
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2934)
<223> similar to gi5689451 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4435
gttggctgat agttcacctt caaatcttca aattattata aaagaactgc tttctatgca 60
tcaccagcct gaccctgctc ttaccaagga gtttgattac cttccccagc tggatagcag 120
gtccagttca ggggttgtgg ggctgagaaa tgggtgtgca acttggtata tgaatgcagt 180
cttcagcagc ctgtatatgc aacctgggct cctgagtc tttctctttg gacatttaat 240
cacagacaat ccagatgata gcgtgtttta ccaagtgcag tctctctttg gacatttaat 300
ggaaagcaag ctgcagtact atgtacctga gaatttttgg aagattttca agatgtggaa 360
taaagaactt tatgtgagag aacagcagga tgcatatgaa ttctttacta gtctcattga 420

tcagatggat	gaatacctca	agaaaatggg	gagagaccaa	atttttaaga	atacatttca	480
gggcatctac	tctgatcaga	agatctgtaa	agactgtcct	cacagatatg	agcgtgaaga	540
agctttcatg	gctctcaatc	taggagtgc	ttcttgtcag	agtttgga	tttctttgga	600
ccaatttggt	agaggagaag	ttctagaagg	aagtaatgcg	tactactgtg	aaaagtgtaa	660
agaaaagaga	ataacagtga	aaaggacctg	tattaaatct	ttacctagcg	tcttggtaat	720
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gaaaacccta	gacagtgcct	tgttttatca	ggataagtta	aaaagccttc	atcagttact	1860
ggaggtacta	cttgctctgt	tggaacaaaga	cgtcccagaa	aattgtaaaa	actgtgctca	1920
gtactttttc	ctgttcaaca	cttttgtaca	aaagcaagga	attagggctg	gagatcttct	1980
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atttaagcaa	cgaccaccca	ttagcatgtc	tccctcaagc	cctctgttgc	ccctccatga	2220
ggaggtagaa	gccttggtgt	tcagtgtctga	agggaacct	tacctgttag	aggtaatgtt	2280
tgctttgcgg	gagctgacag	gctcgctctt	ggcactcatt	gagatggtag	tgtactgtcg	2340
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<210> 4436

<211> 1857

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1611)...(1440)

<223> similar to gil890141 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4436

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<210> 4437

<211> 1063

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1064)...(82)

<223> similar to gi4680663 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4437

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ctttggcaat	ctcttcacaa	aatatttcat	caggaataga	tactagttag	tccaaagaga	180
tgtagttagg	ttttgctgga	tcatactgtg	ctcttcctaa	ataggtaaga	aacaagtgtc	240
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ggggaatgct	catcacattg	tgcacaaaat	caaacgtctc	ggtaagtttc	attttatttg	360
cagttaacat	ctttgggatt	ctggtgatca	tatgttgaat	ttcgttatgt	ttaaaaccaa	420
gttcaagacg	ataaaccttc	atattttctt	tcacgggttc	cagacttcca	gttagcagcc	480
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aaaatcccaa	tctgttatcc	agtctttcca	ctgaaaagtt	cagcaaaaat	ggtgcttttc	600
tgaccatctg	tgcaacatct	gctttactga	aattttttga	atgcagataa	gccaccctgg	660
tcttcagatt	ttcaaggtct	tcagagaaaa	ttgcatgatt	ttttgtcagg	aatgctccca	720

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ccacgcctag aagaaccaac ttctgcagag tctcagaatg atccacatag tctcgaagtg 900
tgaatgaagc tgggtggcaat ggaggggtctg caataatctg aatagcctct tcctctgaaa 960
ttggctgcat tggagacaat ggaggcaatt catccagttc ttctagaaac agctcagaat 1020
caaagctgga tatattttgt gtcttctgtg actgttcatt cat 1063
```

```
<210> 4438
<211> 5286
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(5287)
<223> n = a,t,c or g
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```
<220>
<221> misc_feature
<222> (1)...(4588)
<223> similar to gi5689461 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

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tggagctggc cgtgggcacg cccccccgc ctcaagtgtca tggaggagga ccaggcctgt 180
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cctctggttg tctgcgtgga caaactcacc aaggtctaca aggacgaca gaagctggcc 300
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<210> 4439
 <211> 1569
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1503)...(507)
 <223> similar to gi3879146 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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ttaaattggga	agggaaaatg	tactatacta	gacccaaatt	ctctgggata	tttacattcc	420
atccctgtct	agggatgttg	ggggagggtga	atctgtcagt	ggatcagatc	agactagaag	480
gttcttgtga	ttaattggagc	tgggccatct	ctaagaaaaa	ggcagcaaat	aatttgggttc	540
cctctatgta	gttccacctg	ttgattttct	cattctgcga	atgttctcca	tcatcaacag	600
ctcccagcgg	aattagcacc	acgtctcttg	ggacgatctc	ctggaacatt	ttggcaattg	660
gaatgggtgga	tccatcccgg	atcatatctg	gttctgttcc	aaacactgtt	ctgatcgctc	720
tttttgctgc	gagatactgg	gtgtcatcaa	tatttgcaat	ccacgggtgt	agtcctagag	780
tcatggaaac	aaccatcttg	ttggaactat	ttcttttgga	gaacacatct	tcaagatgtc	840
gtgtcacctg	tttttccacc	gcagacacat	tcatgtgagg	gactagacgg	attgaaaatt	900
ttcctataac	tccggccagg	atgactgttt	tagttccagg	ctcatcaaac	gcgcccctga	960
tcccatgaat	agaaagagat	gggtacctcc	agagggtgat	tagaatctcc	tccttagtat	1020
cgaacagaaa	tttctcaacc	cggctgctat	tccgggtattc	ttctagggtct	agatggatgg	1080
ctttgtatgt	atttatttcc	tcttctgtaa	gaggaaccac	ttcatcatag	attccaggga	1140
ccaggatatg	accagacgag	tctaccaggc	taccgagaag	agcaaccaga	tcagccattg	1200
gttcatgaag	gatgccacca	aaggttcctg	agtgaataatc	ctgggtctctg	catttcacct	1260
ccaccatgaa	gtagctgttc	ccccgggttc	cgtaagtgat	tgctgggttc	ctttgggtga	1320
tccacagggt	atctgaaatt	acaatgtagt	ccacaccaga	gaagaatcgg	tccttttctt	1380
tttccacaag	ttcctccagg	gcaacagagc	cagcctcttc	catcccctca	atgatccaag	1440
tgatattcac	aggaagatct	tgtccagggt	ctttgaaggc	gctcacagca	ttgatccaag	1500
cccagtcaag	gtctctcatg	cagggtcgctc	ttagaccgta	gagggtataa	cgtgggtctcg	1560
ggcagtcgc						1569

0043973E 043400


```

<210> 4440
<211> 2858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2859)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2618)...(1776)
<223> similar to gil086794 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

004093E 01200
<400> 4440
tgaaggatgt agtgaggatg gctttgtagc cttaggactg ggcagtgatc aacgcagtaa      60
atgaaagctg cgattgccag gtgagggccc cggtgctctg tactcatttt attgtgcccc      120
tatctgaaca ggattccgta gaaatgactt agatgcttat ctagtatttg acattgagat      180
atttattttg tgaaacaatc gcaagcgatt ttaaattccc acatactatt tgattaagtg      240
caacatggta cagtcattgt taatctcttt acacgatagt gcatctagtc cttagccttt      300
agttattgca caacaattat aaagaccagt gaccaggaca cgtggactct gacaggcaga      360
tcggcctaca caacgaaaaa tcagaacagt acaccaactg gaatgggtcaa acaatttaag      420
tcaaatgttt taatgggtgca attaaaataa gggttcaaac atgttttcaa tatattaatt      480
tctttaaagt catgttcagg caaggtgctg tttaaaaaac cactattagc tttgtccaca      540
catgtaagtt atcaaaaagtt acccaaggta attttgacgt tgaatgcagc tttaaacaat      600
aaaaaaaaatgg tattaggttt acttctcgaa gcaaagagag cccccaacct tgtaaactaa      660
acattctgac acaaatgcac aaaattaaagt tggcaacatt aattttgaga tgtagtgtga      720
tgctgagcaa acttttggtc ttgactcttg aaataattaa agagagcagt tctccgtttt      780
ggccttcagg aagggaatc tgcccatgga actctcccaa tcagattaac aaactgtttc      840
gattcccata taaacctgga ggacacagga aacgccagat ggaaaaactg gctctggcctt      900
tctaaccoca tcccatctgt atgagaggac ccatcctgtc atgtgcagtg tttgatgttt      960
tcacatacgc tcctgtctca ggaaaacatt caagattagc tagccccag gtggttgtag      1020
ctcattgggtg aaaggccttg gatggtttga tctcatggct ttgcctgatg ttcacataaa      1080
tcccactgtc cttaccaag ctgtagcgt gttgtgtgtg tactatggct acttgcttcc      1140
caaatgcaca atttaattgtg gaaaataagt tgctctgccc atctcttctg tcaccgaaat      1200
gaaaaggctc acagaattcc tctccccacc ctccagacac attgcacact gacattctct      1260
ggaagtgtgg aaggccgcat acaaagtata gaagtgaaaa agtccactgt gcaccggctg      1320
cctgaagaaa agctttggag gagtagagga ggcaagttgt tcagctttgc tcttactgtg      1380
ctcatttgct gccacaaaca tgggtagact tttaaaagcc atgggtgtggg tcacgtataa      1440
cttctggatc caccatgatt cttccatggt ctcccttgcc aaatcaaagc tttgcagcag      1500
gcaatccaga cagttgtcac tagatgcagg gaatgacacc tcacagtgga atgggcactg      1560
gcaggcacag ggcagaagca gtcctttaag aaacagttag tgtggcacag aggcccagtg      1620
cctacagtac agatggcggc caagaacccc acacatccag ctgatgtca caatatggg      1680
aacatctgac atcacccatc atggctgatc agcagcctcc acagggtgggt ctttcaggag      1740
gcaggaagta gagcgagggt ccatggctga gtgcattata gtgatataaa catcatccat      1800
gtttggcatg acaaaaactt tctgaaactc ttgctccagt ttcttctcta tccagtctgt      1860
cacatgaact aaagtcactt ctctctctcc aagttttggc cgagctttca gctccacatg      1920
tggtggcttt cggaaccat accatactcg gtcagtcggg ggtgggtggaa tgttgaccgc      1980
caaggttcct ctacattctt gtacttcaac agtgagcagc aggggtgtgt tggagacttc      2040
ttcgatcttc tttttaataa actctgtctc tgttgctttt tggaaatatt ttgacttggt      2100
aattttatca acaaacctca taatcttact tgttcgatga cctccaacgt acccttcagc      2160

```

```

ccctgggagg agctgtttgt ctcccccgct gggctctggg gcatcgtctt cctcggagga 2220
gccagcgctg gaggattcct catcgctgtc cgccagacag aatgcccggg gcctgcaacc 2280
ttctttgcca atttctccaa ccttcagggc ttcaacaaga ggctctttac ctagtttgggt 2340
caaattcatt ttggtctcga gagtcattcag aaaggaccca ttgtaggaca tttccaaatc 2400
aatccagagt ccttgggtgat caacgtatgg cttgaaggcc tggaggattt ttggcacagc 2460
cacgccccatg tcaagtcccg tcagagttag ctcatcata aagtagggga gctttatttt 2520
gctgagtttc atttggatct tcttagacac cagatcagac cagtatttct ctcctaagaa 2580
gtcccaaaat attcttccaa gcaaggcatt caccagggct tcctgttctt cctcctcaga 2640
gggtggaacc tctggcaact tcttcccagc tgtggggctg ctctccgcac tctgcagggg 2700
gctcctctgg gggcttcggc tttcctgggg gacacacctg cccatgtaca cgctgtagtc 2760
gagaagcatc ttctgcccga cgaagcctgc cagctccttc tgctttgggt gtgacatgat 2820
cctcgtgcca ancttggcgt antcgtcgtg cgctgctg 2858

```

```

<210> 4441
<211> 1123
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(281)
<223> similar to gil439654 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4441
cgaccacgc gtccgccac gcgtccggaa gaaataaaaa atttgattct accatatatt 60
tctgacatga actttgtgca agatttatgt gaagattttt atgaactttt taagactgac 120
aaaggatttg acaaagccac ttttgaaagt cagatgtctg tgatgagggg tcagatctta 180
aaccttactc aggcattgag agacgggaag agtcctttcc agctagtaca gataccttgt 240
gtgattgtgg aacgcagtca aggtggaagt cagggtcggg ttgtccacct gagcaattcc 300
tttaccacga ctgtcaattg caggaagcca tttttttcct cctggtagta aatgtcagag 360
taagagaaac aaactgttta gaattatcat gtttttaaaa catcatagta atataaatct 420
gctgttagga gctccagttg ctaaaacctc aatttaagtc tttaaaaggt tgtattttga 480
atgtaaccaa aagttttacag ttttttgtcc aaatattaaa tttctatttc agggagaag 540
tgctatatct cctatatattg atttttgtag aaaatttgta ttttatgttg ttgttagttt 600
aaaaggtaat ttacacatg ctggaatgac tgtaattact ctagaattcc aagtagaata 660
caataacttt taatattgag aagaatgttc atgctaattc ttcttacatt acaaaaggcc 720
tttgaggatg cctacgtctg aaattgctct tacgaacttt aataaaatag ttagctaata 780
gaaaaacagg taagaataaa gcaatgttgc cttaatttca aaagctgcta ttttagaatt 840
tgaataagta ctccataaagt gaccattatt agggaccaga aaattatatc ttggctaagt 900
aatagaggac cattttggtt tttgtacttg agaataattt tgggtgaatta ctttgttgta 960
gtgaggaaaa aacctaaaga atttcccctt tttttaaaaa atggaaatat tcaattgaga 1020
cttgagggga ataatagaaa attaaggtag atcccccccc aatattttgg aataccaaaa 1080
ttgccttaaa aattcccctt tgctcgtctt tcgcagccgt ata 1123

```

<210> 4442

```

<211> 2133
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1155)...(1587)
<223> similar to gi5832793 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4442

```

gaatgtacat ggaaaggatg gacaaaagag ctctgattag tttttgggaa tctgtggaac      60
atttaaagaa tgctaacaag aatgaaattc cacaattagt tggtgaaatt tatcagaatt     120
tctttgtgga gagcaaagaa atatctgtgg aaaaatcact ttacaaagaa attcagcagt     180
gtcttgtagg aaataaaggt attgaagtat tctacaaaat ccaggaagat gtttatgaga     240
ccctaaagga taggtattac ccttcattta ttgtcagtga cctgtatgag aaattgttga     300
taaaagagga agaaaaacat gcctcacaga tgattttcaa caaggatgag atgggcccaa     360
gagatgaggc tgggtgaggaa gccgtggatg atggtacca tcatgataat gaacaagcca     420
gttttgctgt aaacaaactg cgagaactaa atgagaaact tgaatataaa aggcaagctc     480
taaattctat tcaaaatgca ccaaaacctg acaagaagat tgtttccaag ttgaaggatg     540
aaataatcct aatagagaaa gaacgcacag accttcagct gcacatggca agaacggatt     600
gggtggtgtg aaaccttggc atgtggaaa cctccatcac cagtggagag gttacagaag     660
agaatggtga gcaattgcca tgttactttg tcatggtaag cctacaagaa gttggaggag     720
ttgaaactaa gaactggacg gtcccaaaaa ggctcagcga gtttcataat ttacaccgga     780
aactcagtga gtgcgttcc tctttaaaaa aagaccagtt gccttctctt agcaagctgc     840
ctttcaaatc tatagatcac acgtttatgg aaaagtttga gaatcaatta aataagtttt     900
tacagaatct gctttcagat gaaagactgt gtcagagtga agcactttat gccttcttga     960
gcccttctcc tgactacctc aaggttatcg acgtgcaggg aaaaaaaat tctttttcat    1020
tacctcatt tttggaaaaga cttcctcgcg acttcttctc ccaccaggag gaggagacag    1080
aggaggacag tgacctgtca gattatggtg atgatgtgga tgggaggaaa gacgccttgg    1140
ctgaaccatg tttcatgttg attggggaga tttttgaaact tcgaggaatg tttaaatggg    1200
tgagaagaac attaatggcc ctcgttcagg tcaacttttg aagaaccatc aacaaacaaa    1260
tccgggacac agtcagctgg attttcagtg agcaaatgtt ggtttactac atcaatattt    1320
tccgggatgc tttttggcca aatgggaagt tggcaccacc gaccacaatc agaagcaaag    1380
agcaaagtca ggaaacaaaa cagagagcac agcaaaagct gcttgaaaac attccagata    1440
tgcttcagag ccttgtttga cagcaaaatg cccgccacgg tataataaaa atattcaatg    1500
cactgcaaga aacaagagcc aacaagcatc tgttatatgc gctgatggaa ctgctgctaa    1560
ttgaactgtg tcctgagctg agagttcatt tagatcaact taaagctggc caagtttgag    1620
actacacaaa taaaccacca gaaaaatgtc tgtgtaataa tagacatgaa acattttcct    1680
cttttccaca gagggcttaa ctgagaaccg tattgatttt tatttttagtt acctccctct    1740
agttttatgt gaaattagta gaatcaggga ggacgggact tatgctgtgg taggcaacag    1800
aaaaaaactt ctattgattt taatttaata tgaatacttt aaagatcaac ataccgattg    1860
aaatacaaat gttaatatgt gagaacctag gaagtatttt aaatatattat gaaaatattt    1920
tgttttaaaa tgaactatga atattgtaca gtttaatttc tcaactgagga ctgtgaacat    1980
tcttatatta tttcatgtat attgaagaac attgttatgc aatgctttgt gtaaagtatt    2040
tgtgaagatt ttattgtctt tatttttacc aaagatttcc catagtttga gcattcaaag    2100
caataaaata taaaaatgaa tcacaaaaaa aaa                                2133

```

```

<210> 4443
<211> 595

```

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (541)...(372)
 <223> similar to gi496139 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4443

cttttttttct	tttttttata	aaacatgtca	catcttgatg	cagttgatgt	caagtgtgct	60
taagtcatta	tgaatcaaga	gactaacaat	agtggctgca	gaaacagggt	tggtgtctgt	120
acaaagactt	caggtaaatt	atagtacttc	catgttagct	gtgcatgtcc	accacgcttt	180
gtctgtaact	cgagtagaaa	aagatgttgt	gttttaatta	atcattcctt	acaattcaag	240
atgaactcca	catatttaag	aattcttggc	tgaaagaaaa	gtcttcaaga	tactggatgc	300
ctctcaccac	tttgacaata	aacacacaag	aaaaccattg	tgtaaggcac	tcaaaagggt	360
cttatcaatc	acgagagatc	agtcacactg	acattcattc	ccatgccagg	actcacgtaa	420
gggacagcat	gcactgcttt	gggaaattct	ggagtcataa	cacgtccatt	ttctccagta	480
cttcctgtaa	ttgacagcct	tgcttgttgc	ctcatggcat	cattcaagggt	catcttaaata	540
gagagaggag	ggaaagaaaag	aaaaagagat	catacgttat	ggttttcaaa	tgcat	595

<210> 4444
 <211> 2078
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(1411)
 <223> similar to gil464742 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4444

cggcccat	attgaccttt	gcaaaggggc	acatgaaaca	cacactggaa	agattaaaac	60
catccaaatt	tttacgaatt	cctcaacata	ttgggagggc	aatccggaaa	tggaacatt	120
gcagaggatc	tatggaatat	cctttcctga	taacaagatg	atgagagact	gggaaaagtt	180
ccaagaggaa	gcaaagaacc	gagatcacag	gaagatcggg	aaggaacaag	aacttttctt	240
tttccacgat	ttgagtcctg	gaagctgttt	tttccttccc	agaggagcct	tcattttataa	300
tacgcttaca	gatttcatac	gagaggaata	tcacaaacgg	gacttcacgg	aggtgctctc	360
tcccaatatg	tacaacagta	aactctggga	agcctcaggc	cactggcagc	attacagoga	420
gaacatgttt	acctttgaga	ttgaaaagga	cacttttgcc	ctcaaaccga	tgaattgtcc	480
agggcactgt	ctaattgtttg	cccatcgctc	acgatcttgg	agggaaatgc	ctattagatt	540
tgctgatttt	ggagttctgc	atagaaatga	actgtcgggg	actctcagcg	gcttgaccag	600
agtgagggcg	ttccagcagg	acgatgctca	cattttttgc	acagtggagc	agattgaaga	660
agaaataaag	gggtgtttgc	agttttttgca	atctgtttac	tcaacatttg	gcttctcctt	720
tcaattaaac	ctgtcaacaa	ggccggaaaa	cttcctagga	gagattgaga	tgtggaatga	780
ggctgagaag	caactgcaga	acagcttgat	ggactttgga	gaaccgtgga	aaatgaaccc	840

00433736 04400

```
aggagatgga gcattttatg gccctaaaaat tgacataaaa atcaaggatg ctattggcag 900
ataccatcaa tgtgctacaa ttcagctgga cttccaactg cctattagat ttaatctcac 960
atatgttagt aaggatgggg atgataagaa gagacctgtg atcattcatc gagccatttt 1020
gggatcagtg gaaagaatga tagccattct ttcagaaaac tatggcggaa aatggccttt 1080
ctggctatct cctcgctcagg tgatgggtcat cctgtgggg ccaacttgtg aaaaatatgc 1140
acttcaggta tccagtgaat tttttgaaga aggatttatg gctgacgttg acttgatca 1200
cagttgtaca ctaaataaga aaatacgaaa tgcacagctg gctcagtata attttatattt 1260
ggtggttga gaaaaggaaa agatagataa tgctgtaaac gtgcgaacaa gagacaacaa 1320
aattcatgga gagatttttag taacttctgc cattgataaa ctgaagaatc tcaggaagac 1380
acggacactc aatgctgagg aggccttttg aagtccttcc ctgatatttg cttctgtgta 1440
actttgtttt gacccttaaa aatgtatttt tcttaacatg ttagtacttc tacgactttg 1500
gagccactga tgggtccact catggcctca gctgagaaag gagacgatga acgtgtagct 1560
gacatgcacg aagtttaatt tactcatgtc cacgggggac gtttagaggg cacgtgggaa 1620
attttccagc aatcaatgcc ttgagaaaact taaatgggga aatattattc atcgagaaag 1680
tgaaacaaaa cactaggaaa tgattatgaa atgttagtga ttttccaaaa gatgggcctt 1740
caaataaaaag tctgccagag ttttttttaa aataggaggg aaaatcctta ttttccta 1800
atgtcctcag gtatttttat gaccttccta cctaaaattc cacacctgaa actttatctt 1860
cctaaactgg aatccattac cttaatttta actaaccaac aaccacaaaa gcgagcagct 1920
actgcctaaa tattggatta ctgacaaagg aattcagttt tgtggaatct ggtgtttgca 1980
ctataggtta agagttgcc tttaaatgtt tcttattcat aattaggttt tgttccgctt 2040
tagaaaaaaa taaattccca aatgaattgc aaaaaaaa 2078
```

```
<210> 4445
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(155)
<223> similar to gil881713 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4445
cttcaagatc cagaagacga ggctgcagcg agagggcttt gacccacgcc agacctcaga 60
ccggtcttc ttcctggacc tgaagcaggg ccactacctg cccttaaag aggcagtcta 120
cactcgcac tgcctggggc ccttcgccct ctgaagctgt tcctctactg gccacaaact 180
ctgggcctgg tgggagaggc cagcttgagc cagacagcgc tgcccagggg tggccgccta 240
gtacacaccc acctggccga gctgtacctg gcacggccca tcctggactg agaaactgga 300
acctcagagg aacccgtgcc tctctgctgc cttggtgccc ctgtgtctgc ctctctccc 360
tgcttttcag cctctggctc cttccatccc tgtccctgtc tggccttaac tcttccc 417
```

```
<210> 4446
<211> 2378
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> (2376)...(1477)
 <223> similar to gil072384 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4446

ttttttttgt	ggcccccttct	gttttgtttc	cagtttagacg	tgggaaaaaac	caattcaatt	60
ataaagaata	catcttattc	cctgggcata	ggcaactgtg	atgaaaatag	caacttacct	120
ttgggctaga	tgttttcaga	ttatgcttaa	ataaccgtgg	ttagaaattt	ttcaatgcat	180
gctttcctgc	cccacgcaat	ctccctgaat	ttagctaaaa	taatcaggca	caggacagtc	240
tcaaataatg	attaaaaat	gccatgctaa	taaacaaggt	tatctagaat	gcaacctcgg	300
tgctttaaaa	acagatagaa	taaacctcat	caataagcat	tttcctaaat	ctctttgtgt	360
tatatcaacc	aacataaaaa	agggaaaaaac	ataaaagtgt	ccctttataa	atgatattat	420
ttccagaaga	gaaagttgaa	acaaaggttt	gtaaagtctc	ctgaactatt	cagtttaata	480
accaattatc	cctcaatatt	acaaaataaa	atgactggat	caatgttgac	tcttctttga	540
tatcatttat	aaaatgcttt	gatattactt	actaagttcc	ctgataactc	aaacaaggta	600
aaattaacac	tttcattttc	agttattgct	attttagaag	aggattacca	ctttcattta	660
gatgaaactg	ttttaccaa	gcctcctcag	atccaacaca	aagtaattct	tattgcctca	720
catttttaaaa	cagtattata	aatgatcttt	ataaaaaggt	ttaatccaca	aaactggaag	780
gcttttaaaa	aatgtctttt	tactcaaaac	tgtatcacag	tgcccttgat	tatctaatag	840
ataaaaggga	tttgaatttc	ctctatgaga	acagaacagt	ggacatatgg	tgtgctttgt	900
cttccccctca	cctttatctt	tatagcacac	catttttgaga	ccaaaacaat	caagcatcta	960
ccatgctcca	gtccacatta	acagaggatt	tctgatgctg	tccagtgcgt	agtgtaccgc	1020
cttgcatatt	ccccacatga	aataaacata	atatacaaaa	tattgctgct	gtaaaaagtg	1080
tacatttccc	tcttccccct	acaaaaaaat	ctgtggaaaa	gtattaaatt	cccttaccct	1140
ttcataaaca	aaccaaagct	gttcacacct	tacagtctgt	aacagtccat	ttggaaacac	1200
agttccaaaa	tcattacaaa	ttggttatgt	cattgcattt	tctgtccaat	gttgccatct	1260
agagtagaaa	tgtgaaatca	agagtatttt	tgagctacta	aagcctttta	taactaaacc	1320
acaaaggctg	cttactgatg	aaacagccac	ttatccacaa	ggtttttcca	aaaactagat	1380
ggaatggaag	gatctcttca	cagggagggtg	tccacagtgc	tgaggtgaca	atatggctgc	1440
taatagatac	tggctactgg	aatgtaagta	ctttttcact	gctggtaatt	tccatactgt	1500
ccctggctcat	atccataagg	cctctgctgg	gggtggctgtg	gtggtccagg	ctgtgttggt	1560
ctatatcctc	catactgctg	accttgtccc	tgtgggtagt	taggatactg	aggacctgga	1620
ccacctgtg	aaggaccgta	gccctgctgc	tgtcctgggt	aaccttgctg	ccctgggtac	1680
tgctgctgct	ggggtggata	tccctgttgt	ggaggtgggc	cctgggtatgc	atcttgctgt	1740
tggccatact	gtgaatttcc	tccttcgtag	taatgtttgtg	aggaatcctc	ataaggccta	1800
tcgtagcctt	gttcaggata	cgacggttgc	tgataaccgt	aatcattatg	accatcaggg	1860
taatattgct	ggttcattgcc	ttctggagga	ccttgtccac	catgactgta	ttggtccccg	1920
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ggaatctgtc	tctgacccat	catatgattg	ccttggttaa	cttgacccat	cattcccata	2040
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ggaggctgct	gatgcatcat	tggaccttgg	tttggctgca	tactcatatt	tgggtctggga	2160
ccatagtttc	ccattgggtg	tccctgactc	attgtcatct	gattctgtac	tggcatgctc	2220
tgtgatgatg	gcacagaatg	gttgtaacct	cccattggatc	catggctact	tgaaggcata	2280
ttcatggaac	tgtttgtcat	attgagttga	ttgggtccag	gtccctgcat	aggcatatgg	2340
ttaggcccag	gcactctggc	gttcactctg	tctcgtgc			2378

<210> 4447

```

<211> 1820
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1627)...(1370)
<223> similar to gi3327144 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4447
tttttttttt tttgggggaa gaataagacc cacacacggt tatatatatt gggattaaga      60
aaatgaatca caagccatat aaaattgaga taaattggaa aactctaagg taagtaccat      120
gtctattccc agctgcctag aacaaagatc cattaataat ccatgggtgtg aatttccacc      180
atgggtcaga aggatgggaa gactaagggt ttcctggcaa ctttcccaac cgctcccac      240
caggtgcagc gaggtgctcc cctgggctga ggaattcaaa tacaggggtg gtttctaaac      300
gctgggaacg aggcagatct tgctgccaca ccgagtggga gcccgggagc tagggattct      360
ggaaatccaa acccagggcc tggccattca ccaggctgcg ttgaagaatg aagacaagga      420
gccaggcaag acggtttctc cgtgcatcca tcttaagatg cagccatggg aaggaaactg      480
actggggatg ggagtttgtg tcctcccaa aactcatttc tttgggttg ccatgtcaa      540
ctcctgcctt agacacccat cccaaaccct ccttctcctt catttttatc cttcatgtt      600
acaatgaagc agtgaatgct gcttcattgt cttaaaactg aaacagaaac ggggaggtag      660
gtagcatgga tgggggagtg cacgaactct ataggtagag gatgaggatg ccccgacta      720
gctgctatga aacctgagtc ctctgttcac tctgcacaca catcacagag ggctgctggc      780
cggtgccaa ggcatttggt gagggcccca tctcatggac cctccagatg ccccttcac      840
ctctctgagc ttgaacactg gggcttgaaa ggtggccaaa gagctggcga ggacacaaat      900
atggggcatt caaactccta ggaaagatca caattttgct cccactccca aggggactag      960
gagtgggggtg aaagagccca tcgtactaga gcgaatgtga atccttatcc ccagaggtag      1020
aatcatttta ccagtagccg gaaacacgag cttccagttc ttgtttttac agtaactcct      1080
gatagcagac cttgcctcct cccacttcca gtaccctctg ccccttgcaa aggggccaca      1140
aagtgcattg acggctaacc gtgtggatgc tgccacagc cacggccact caccctcgc      1200
tcgtgtgcac agcctcccca catatacacg ggtacacgta acgcatgggt gccagagaga      1260
catttacagt gtgagtgtga ggcccggctt aggcctgcat ccttgggcag ggtctgccct      1320
tggtcccagg gtcctaaggc tgctctgcag ccagccccgt gccttagtgt ttgatctcga      1380
ggatggaggg attgtggtcc aggatggcga ggataatctt gtccatgtac tgctcagcc      1440
ggaagttgat ctctcctgc tccttcaggg cttccattag ctcatcgcg gaggcggtgt      1500
ctatctccgc agccagagac tgggctttag tctgggcagc aaagagggtt tttgcttcgt      1560
agaggctgag gctcaaaatc tgcccattca agtcgtcggt ctgatcccg agcttataat      1620
tctcctacag agagaaggac gaaggcgaca tcaaccccaa gaggcattca cagccactg      1680
gaaccactt ctccacatcc accatccccg acctgccgac agcgccattc ccacagatcc      1740
tgcacaggaa acccagtggt tgggcccggg caccctgccc cactggacac agagactgct      1800
agaccacct gcttgagccg

```

```

<210> 4448
<211> 3734
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(2391)

<223> similar to gi5882216 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4448

atgaaaatga	acctgagtc	agtggggatg	gcgagctga	cttcatcctc	tgtgagcaat	60
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cctgccccag	gcctcccagt	ggcaattcca	aacctgggtc	cctccctgag	ctctctgcct	180
tctgctctgt	ctttaatgct	accaatgggt	attggggatc	gaggggtgat	gtgtgggtta	240
cctgaaagaa	actacaccct	acctccacca	ccttaccctc	acctggagag	cagttatttc	300
agaaccattc	tacctggcat	tttatcttat	ttagctgaca	gaccacctcc	acagtacatc	360
caccttaact	ctataaatgt	tgatggtaat	acagcattat	ctatcaccaa	taacccttca	420
gcactagatc	cctatcagtc	caatggaaat	gttggattag	aaccaggcat	tgtttcaata	480
gactctcgct	ctgtgaacac	acatggtgcc	caaagtcttc	atcccagtg	tggccatgag	540
gtggccttgg	acacagcaat	cactatggag	aacgtttcta	gggttaccag	cccaatttcg	600
acagatggaa	tggcagagga	gcttacgatg	gacgggtgtg	caggcgagca	ttcccaaatc	660
ccaaatggct	ccagaagtca	tgaacctctg	tctgtggatt	ctgtgagcaa	caaccttgca	720
gcagacgctg	taggacatgg	tgggtgtgata	ccatgcatg	ggaatggcct	ggagctccct	780
gtggatcatg	agacagacca	cattgcaagt	cgggtcaatg	gcatgtctga	cagtgccttc	840
agtgactcca	ttcacactgt	ggccatgagc	accaactctg	taagcgtggc	actctctacc	900
tcacacaacc	ttgcctccct	agaatctgtt	tccctccatg	aagttggcct	cagcctagaa	960
cctgtggctg	tctcctccat	caccagggag	gttgctatgg	ggacaggcca	tgtagatgta	1020
tcttcagaca	gtctttcttt	tgtatcacct	tactgcaaaa	tggaagactc	caattcaaac	1080
aaggagaaca	tggcaacctt	gtttacaatt	tgggtgactc	tgtgtgaccg	cgcctatccc	1140
tggactgtc	ccgaacatgg	accagtgact	tttgttcctg	acactccaat	agagagcaga	1200
gcaaggcttt	ctctcccaaa	gcagcttggt	ctccgtcagt	caattgtggg	agcagaagtt	1260
ggtgtatgga	ctggagaaga	cattcctgtg	cggacttgct	ttggacctct	aattggccag	1320
cagagtcaact	ccatggaagt	agcagaatgg	acagacaagg	cagtaacca	tatctggaag	1380
atataccaca	atgggtgtcct	agaattctgc	atcattacaa	ctgatgaaaa	tgaatgtaat	1440
tggatgatgt	ttgtgcgcaa	agccagggaac	cgggaagagc	agaatttggt	ggcttatcct	1500
catgatggaa	aaatcttttt	ctgcacctca	caagatatcc	ctcctgaaaa	tgaactgctt	1560
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cacatccata	accatcttcc	taccagggga	catagcggca	gccatgggcc	aagtcacagc	1740
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catgtccact	ttatgggtca	catgggtatg	aagccccaca	agtgtgattt	ctgtagcaag	1860
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gttatccaca	ctggggagaa	gaatcttaag	tgtgattact	gtgacaagtt	gtttatgcgg	2040
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aagtgtgata	agctgttctt	gagaacaaat	cacttaagaa	agcatctcaa	ttctcatgaa	2160
ggaaaacggg	attatgtctg	tgaaaaatgt	acaaaggctt	atctaacca	ataccatctc	2220
acccgccacc	tgaaaacctg	caaagggcc	acctccagtt	cgtcagcacc	agaggaggaa	2280
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aaacaagcaa	ttttggatga	aaatgcaaat	ggaaaaatac	acataaccag	ttatctacta	2460
taatggtttt	tatataaaat	ggttcctgat	ttatcttcag	ccagtaatca	aaacagactg	2520
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aaaactgagc	atgtgtcctg	ttttaagtgg	tggactggga	gggaagtgtc	aacttctgag	2640
gtctttatatt	acatgataat	ctgggagatg	catttatgcc	tgaatcaaag	ctgccttctg	2700
ctcaaacaaa	tcagatttat	ttcacattct	tccattatc	cattttctctg	ctggtcctgt	2760
gacttggttaa	cattctaaac	ggtccttgcc	ccatagccat	cctgattgct	gatagtgttt	2820
tatgcagact	cttgtgactt	atactacca	cagaatggat	tgggacacag	cagcataagt	2880
gtgctacttg	gcagctagta	agtttaaagc	aggacctgcc	ttaactgctc	ctggccactt	2940

0945373E 012100


```

ggaagtttag ggtagatctt gttttccaaa gtttcggcag gtgcctggag ggcaaataaa 3000
aaagcagcag tcagtcagta gtcagtgatg gagagaacaa gaggagagat gcctggcctc 3060
tgcccaagaa attagctttg atggaagcct gagcaagtca cctgcttatt gtaacgtgga 3120
gatctttgta ggtttagaca tggctccctg tctccagtaa acatccagcc attcagacaa 3180
agggggcctg gagatacaga gagcccaaat aatgcctgct ggattgtctc ctgatgagta 3240
catgtggact cacctgagga aggggaaggaa ggaataatc ttttatgttt catttacctt 3300
atgaaaagtg ttaaaacatt gccaaactcaa aataacatta tttaatgcat gtgcaaagtt 3360
aggtcttccc agttgtctca gtgctgagga acctcatcag agaagcatgg aagatgccaa 3420
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gcacaacctc tgggctggag tagaggactc tggtggaag gttttgtgc taatgtattt 3660
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ttttaaaata caaa 3734

```

```

<210> 4449
<211> 1262
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (15)...(656)
<223> similar to gi4406663 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4449
cggacgcgtg ggctggtcca gtctcgctga gtgccaaaat tgaaagaaag ggatactgta 60
atggagaagc tattccaatc tatgcagaaa tagaaaattg ttccctctct ctgattgttc 120
caaaggctgc tattttccaa acgcagacat atttggtctag tggaaaaaca aagaccattc 180
gacacatggt cgccaatgtg cgaggaaacc acatcgcttc tgggagcaca gacacatgga 240
atgggaaaac gctaaaaatc ccacctgtta ctccatccat cctggattgc tgcattatca 300
gagtggacta ttcccttagct gtatacattc acattcctgg tgctaaaaaa ttgatgctcg 360
aactgccatt agtgatcggg acaattccat ataattggtt tggcagcaga aactccagca 420
ttgccagcca gttcagtatg gatatgagct ggttgacact gacctgccca gagcagcctg 480
aagcaccacc aaattatgca gatgtggtac cagaggaaga attctctaga cacattcctc 540
cttaccctca accccctaac tgtgagggag aagtgtgctg tcctgtgttt gcctgtatac 600
aagaattccg gtttcaaccc ccacctcttt attcagaggt tgaccacat cctagcgacg 660
tagaagagag ccagcctggt tccttcattc tctgaacgta tttcagaaat cactgtgttc 720
atcatcaaat tagaatgttg gttcttttcc ttctgccttt ttgggagaga gacaggaaag 780
attcacttga aaacataaat gaacgtcaag actgaaggca atagaaatta aagaatgtga 840
gaaagtctct gtgggccggc aggattgccg cacaagggtt atatgatggt cgtatatata 900
tcctgttaa aaactgggat gaagatgtgc aaagtcacag aatgtaatgg aagtcctgat 960
ggttacagag taagtgaag ggtgcctgcg ctgacgtgag agaaaggaat ctgtaaacag 1020
tggaacact gtgggagttt cccatggtga agagtggaa gaaggcgata tgaactgaag 1080
gggtgaagac ttgatttttg agagggcaac aaaacaaggg tgtgtgtgca taggagaatg 1140
gccactcca aatacgaagt gagatcctga gtctttgggt gcttcatgat ttccctaccat 1200
attcaggcct aaagacattg aaaaagcatc tcaaataaaa ggaacatttt ttttccctct 1260
tt 1262

```



```

cctctacact ggggagccct ggttctgctt caaaccaaag aagctccctt gcagcagcag 360
aattacccat ttcaaagggtg gatacctgaa aggtctccta accgctgcag agagtgtttt 420
cttccagagt ggtgtcaata tcaaaatgcc agtcaactcc agtggacctg attgggtaac 480
tgtgattccc aggagaataa aagaaactaa cagtctagaa ctatctcaag gctcaggaac 540
ttttccttct ggggtattatt ataaagacca gtggaggccc agaaagttta agatgcgtca 600
gtttaatgac cctgacaaca ttacagagtg cttacaaaga aaagtgggtgc atttatttgg 660
tgactcaaca atcaggcaat ggtttgaata ccttactaca tttgttccag atttagtgga 720
gtttaacttg ggtagtccca agaatgtggg tcccttcctt gcagtggacc agaagcacao 780
catcctgctc aaataaccgt gccatggtcc acccatccgc ttcacgactg tctttagcaa 840
tgagctccat tatgtggcga atgagctgaa tggcattgtg ggagggaaga acacagtggg 900
tgccatagct gtatggtctc acttcagcac ctcccttttg gaagtgtaca tccggcggct 960
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catccggacg gccaacgccc aagagctggg acctgaggtg agccttttca acagcgactg 1080
gtacaacttt cagctggaca ccatccttcg gaggatgttc tcagggggttg gagtatatct 1140
cgtcgatgcc tgggagatga ccctggccca ttatctaccg cacaagctgc atccagatga 1200
agttattgtg aagaaccagc tggacatgtt cttgtccttt gtgtgcccct tggaaacctt 1260
gcctgtcttg gaagggactg gaggaatcat attcaatgac cttctcaatt gacctgagtt 1320
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ggtagtagag tgtttgtagc ttatctggta aaggaaattg agtgcactct catgcatagc 1680
acaagtaatc catcttcttg cggttaacta gagaaagctt atagtcagag gctcttgtga 1740
atgcactgaa gactgctgtg tctcaggagt ttct 1774

```

<210> 4452

<211> 1729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(491)

<223> similar to gi2317725 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4452

```

cgctgcgcag ttttgttctg ctccagctgt tcgaagggtga tccaggttgg ccaggttcat 60
ggcggcttga tgggaattat tcagagagct atgggtcaagg cttgtcctca tgtctgggtt 120
gaacgctcag aaatgaagga tcgacacctg gttactaaga gactaaaaga acatatgtct 180
gataagaaga aactacccat actaattttt cctgaaggaa cttgcatcaa caatacttca 240
gtcatgatgt ttaaaaaggg gagctttgaa attggaggaa ccatacatcc agttgcaatt 300
aagtataacc ctgagttcgg tgatgcattt tggaacagta gtaaatacaa catggtgagc 360
tacctgcttc gaatgatgac cagctgggcc atcgtctgtg acgtgtggta catgcccccc 420
atgaccagag aggaaggaga agatgcagtc cagtttgcta acagggttaa gtctgctatt 480
gctatacaag gaggcctgac tgaacttccc tgggatggag gactaaagag agcaaagggtg 540
aaggacatct ttaaggaaga gcagcagaaa aattacagca agatgattgt gggcaatgga 600
tctctcagct aagaggacgg atgacagcct ttagatctag aactagccct tagaaatgga 660
atggcttttt ttgttttgtt ttgttttatt gttttgtttt tattattgtt aatcttttct 720

```



```

cccaaagggtg ttgaagattc tggccactcg cacttccacg ccttcctgct tcatgtaggc 1260
atagcacatg gtctctgcaa cacgtttgcc ttcacgtag caggcccagag gtcctattgg 1320
attcacgtgg cccagtaat cctcactttg aggggtggact tcaggatctc catacacctc 1380
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ggctggagat gccagatggg atatctgggc aacctcgatg tagaggggct ccaccacgtc 1560
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cgtgaagaaa ttgtccacca cgtcacctc gtggccgctc atcatgagtt tgtcagttag 1680
atgggagccc acgaaccctg cgcctcctgt tatcaaaatt cttttccgat ccttttctga 1740
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tcttagtggt tcaaccatct cttcaatctt gctttcaatt tttagtccac cattttcctg 1860
gatagacctg ttgagtagaa agctcatatt aacgaagttg ccccaaacag aggcgacgta 1920
ggccagcaag gcgatgccca gcagcagctt catcctcctg cggttgacgg cagacacgag 1980
gcgcagcagc gccttgctca ccatccccgg gagccgcgcg ggtccagggc cctgccgcgc 2040
ggggggcccg

```

```

<210> 4454
<211> 1771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (95)...(1536)
<223> similar to gi5834572 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4454
gtttgctcac aatcttaaat gaacaggtct ccagctatag aggtcctgaa aagagggaga 60
aggcattgga aactaactgt agctctggat ttcagtttca gcggatgttc tctccagctt 120
tcaacagacc ttgcaactcaa ctttgctgaa tcccattcca aaatgtcggc cagcgcctctg 180
caccttacta tctcatgact tcttcagaaa tgattttctg gaagttgtga atttcttgaa 240
aagtttaaca ttgaagagtg aagaggagaa aacggaattc tttaaatttc tgctggacag 300
agtcagctgc ttgtcagagg aattgatagc ttcaaggttg gtgcctcttc tgcttaatca 360
gttggtgttt gcagagccag tggtgtttaa gagttttctt ccttatctgc ttggccccaa 420
aaaagatcat gcgcagggag aaactccttg cttgctctca ccagccctgt tccagtcacg 480
ggtgatcccc gtgcttctcc agttgtttga agttcatgaa gagcatgtgc ggatggtgct 540
gctgtctcac atcgaggcct acgtggagca cttcactcag gagcagctga agaaagtcac 600
cttgccacag gttttgctgg gcctgcgtga tactagcgat tccattgtgg caattactct 660
gcatagccta gcagtgtggt tctctctgct tggaccagag gtggttgtgg gaggagaacg 720
aaccaagatc ttcaaacgca ctgccccaaag ttttactaaa aatactgacc tttctctaga 780
aggcgatcca ttttctcagc ctattaaatt tcccataaat ggactctcag atgtaaaaaa 840
tacttcggag gacagtgaat acttcccatc aagttctaaa aagtctgagg agtggcctga 900
ctggagtga cctgaggagc ctgaaaatca aactgtcaac atacagattt ggcctagaga 960
accttgtgat gatgtcaagt cccagtgcac taccttggat gtggaagagt catcttggga 1020
tgactgagag cccagcagct tagatactaa agtaaaccca ggaggtggaa tcaactgtac 1080
aaaacctgtt acctcagggg agcagaagcc tattcctgct ttgctttcac tcaactgaaga 1140
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cgcagaccaa atcgagccgc caaaagtgtc atcacaagaa aggccctta aggttccatc 1260
agaacttggt ttaggagagg aattcaccat tcaagtaaaa aagaagccag taaaagatcc 1320

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tgagatggat	tggtttgctg	atatgatccc	agaaattaag	ccttctgctg	cttttcttat	1380
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gttttcctca	aaatttgctg	cagcagaaat	tactgaggga	gaggctgaag	gctgggaaga	1500
agaaggggag	ctgaactggg	aagataataa	ctggtgacaa	tagatgtgag	ttaaacttta	1560
ggaaaaagga	ttcccttttt	ttaaaaaaaaa	tcaatacctc	aaaagcaggc	tttgggacaa	1620
gaaaacccca	aagtggcctg	cttttcccat	cccaggagct	cattatccag	tctgtgccaa	1680
ctgaagtagg	agactgactg	tgagtgtctg	ctaaaagccc	tgggtggtga	ggctcacagt	1740
actggtttcc	aggaggaaga	gcctttgtgc	t			1771

<210> 4455
 <211> 2283
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1567)
 <223> similar to gi870751 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4455	
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ccatcgaggg	cggcactgct
aacgcccatt	ccagaaacgc
gagcagctcc	tgccggagct
tggcatctgg	gtcacaggcc
ggatccccc	actgccactt
tacagggact	gggagatggt
ggggaagcca	acctcaccca
gcacggcacc	accccttttt
gcctccaaac	ccttcttggg
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ggcagcaacg	gcccctttct
cctgcccctg	catggtggcc
agcatcatgg	acctcttcac
agggccattg	atggcctcaa
cctatcttct	attacogtgg
cacttctgga	cctggacca
gggcagaacg	tttcaggggg
atcttccacc	tgggacggga
taccaggagg	ccctcagcag
cccgcgcagc	cccagctcaa
tgtgaaaagt	taggggaagt
tccactagc	acctgcgcag
gcctggagga	aggatggctc
cagcacctgc	agacgcaggg
gacgaggtgg	tggcagctgt
tgctggtgct	cagcgccgcg
tgctcctgct	catggacgac
gagagacccc	gaatttggac
ctgccaaccc	tctgtgctcg
gcaatggctt	ctacaccacc
cccagactcg	360
tgggcgggcat	cccagactcg
gcccggctacg	tcagcaagat
tgctcggaag	420
acggatttga	tgagtggttt
ccaggcccaa	catccctgtg
catccctgtg	540
tggaagaat	ttcctattaa
tctgaagacg	600
tggaacttcat	taagagacag
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atggagacgc	cgtccgggag
acctgcacgt	cgcggacaac
tttccgcccc	cgaacaaggt
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aggtgagcca	ccagctgggc
gcccagcgac	1020
gcccagcgag	1080
gatggacagg	1140
gcacaaggct	1200
tttctgccct	1260
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gtgcctctgg	1560
ccctgcaagt	1620
gccagacaga	1680
gaccctggcg	1740

tgtgcttggc	cctcctcctc	gcccacggcg	cctcagattt	caggaccctc	ctcctcgccc	1800
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gaccagtctc	agtttatttt	gccaagggtta	aggatgcacc	tgtgacagcc	tcaggagggtc	1920
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cacaagatca	gtatgtgtat	ggcgtaacatt	ggttcagtca	gccttccact	gaatacacga	2040
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ccacaaggaa	tttccctgga	cgctaattat	gagggaggcg	tgtagcttct	tatcattgta	2220
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aaa						2283

<210> 4456

<211> 1498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)...(237)

<223> similar to gi3880213 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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gcaacgggag	gtgaaggagg	aggcggggct	gcactgtgag	cccagagacac	tgctgtccgt	180
ggaggagcgg	ggccccctct	gggtccgctt	cgtgttcctc	gctcgcccca	caggatatggc	240
ccacctggag	gcagtgtgaa	cagggccagt	tgacaccttt	ccccagctc	ctcgggtgagg	300
tgagccccctc	tacagccagt	cctgttatgg	ctggcacagc	ctggcatggg	cagattccag	360
cctttgggct	gggggcctct	ctcctgggtc	agggatgtct	gttgactctg	ccagagctgc	420
acttctctcc	acacagaccc	tccctgcccc	atccccaca	tctccccag	gtggaattct	480
caagacttcc	aaggaggccg	atgcggagtc	cctgcaggct	gcctggtacc	cacggaccctc	540
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tcgccagcaa	gccaggcacc	ctctcattct	gccccaaagag	ctaccctgtg	atctggtctg	660
ccagcggtctc	gtggtacact	ttaccagcgc	ccagacagtg	tgggtgttag	tgggcacagt	720
ggggatgcct	cacttgccctg	tcaactgcctg	tggcctcgac	cctgtggagc	agaggggtgg	780
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tttgaatgtg	ctggtgaccg	tggcttttctg	gagcccaggg	atccaggatg	aacccccaaa	960
agttcggggg	gagaacttct	cttgggtggaa	ggtgatggag	gaagacctgc	aaagccagct	1020
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caggagagaa	tgctttgagg	agcattcctc	tagattgcac	aagggaacagt	gcctttaacc	1260
aagcgaggag	tccaaagctc	aggacctgac	taccctgagg	gcacgctgac	gcctctcccc	1320
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cttgggaaag	gcctgcattc	tgatccttcc	aggcccttcg	agcatggagg	ggcactgggg	1440
aaggtccccc	gagggaggag	cacgttgctg	agtaaagagg	tgttactcaa	aaaaaaaa	1498

<210> 4457
 <211> 778
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (7)...(623)
 <223> similar to gil656005 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 ttcattggag actatgaacc gaatacaggc aagctgtatt cacggctggg ctatgtcgag 180
 ggggaccagc tctccctgca gatccaggat actcccgggg gcgtccagat ccaagacagc 240
 ctccccccagg tcgtcgattc cctgtccaaa tgcgtgcagt gggccgaggg ttttctgctg 300
 gtctattcca tcacagacta tgacagctac ttgtccatcc gaccccttta tcagcacatc 360
 cggaagggtcc accctgactc taaagcccct gtcattcatcg tgggcaacaa gggggacctt 420
 ttgcatgccc ggcaggtgca gacacaggac ggtattcagc tagccaatga gctgggcagc 480
 ctgttccttg aaatttccac tagcgaaaac tacgaagatg tctgtgatgt gtttcagcat 540
 ctctgcaaag aagtgcgcaa gatgcacggc ctcatgtggg aaagaagaag agcctccatc 600
 atccctcggc cccgctctcc caacatgcag gacctgaaga gacgcttcaa gcaggtctcg 660
 tctcccaaag tcaaagcccc ctctgcactg ggggtgaacta tctcagacag atgcctctcc 720
 tttttaatac gcatttgtgc agctaaaaga ctgggcttct cgctttttaa tcacacat 778

<210> 4458
 <211> 1278
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1064)
 <223> similar to gi4959396 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4458
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 aaatagtccc catctaatat gtataggagc tcttaaaaaa ctgtgcaatc acccctgcct 120
 tttgttcaac tctataaagg aaaagggaatg tagctcaact tgtgataaaa atgaagaaaa 180
 gagtctatac aaaggcttgc taagtgtgtt tctgtctgac tacaaccctc tctgttttac 240
 tgaaaaggag tcaggaaaac tacaggtgtt gtccaagctc ttagcgggta tccacgaact 300
 tcgacctact gaaaagggtg tggttggtatc caactatata caaaccttga acattttaca 360


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agaagtatgt aagcgtcatg gatatgctta tacaagactt gatggacaaa caccaatctc 420
tcaaaggcag cagattgttg atggctttta cagtcaacac tcttcttttt ttattttttt 480
gttaagttca aaagctggtg gtgtaggact taacctcatt ggaggatctc acttaattct 540
ctatgacatt gattggaatc cagccactga cattcaggca atgtctagag tatggagaga 600
tggtcagaaa tatcctgtac atattttacag actcctaact acaggtacaa tagaagaaaa 660
gatctatcaa aggcagatca gtaagcaagg tctttgtggg gcagttgtcg acctcaccaa 720
gacatctgaa catattcagt tttcagtaga agaacttaaa aattttgttca cattacatga 780
aagttcagat tgtgttactc atgatctgct tgactgtgag tgtacaggag aagaagttca 840
tacaggatgat tcgttggaag aattcattgt ctctagagat tgtcagcttg gtccacatca 900
ccagaaatct aactccctga aacctctttc tatgtcccag ctgaagcaat ggaaacattt 960
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cattccattg ctcttctttt gaaaattagt atgttaatta aatgtacttt ttgaaaatta 1140
atagaattat ttaaattaca gtatatgttg caaaatatat cacttttgat acaatagtca 1200
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ttatatcatt gaaaaaaaa 1278

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<210> 4459
<211> 1343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (143)...(727)
<223> similar to gi3880413 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4459
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agcatcgccc agggccctgt ttgcaggcct ttcagatata tccatctcac aagacatccc 120
cgtagaagga gaaatcacca ttctatagag atctcgcatc cgggagtttg acagctccac 180
attaaatgaa tctgttcgca ataccatcat gcgtgatcta aaagctgttg ggaaaaaatt 240
catgcatgtt ttgtacccaa ggaaaagtaa tactcttttg agagattggg atttgtgggg 300
ccctttgatc ctttgtgtga cactcgcatc aatgctgcaa agagactctg cagatagtga 360
aaaagatgga gggccccaat ttgcagagggt gtttgtcatt gtctggtttg gtgcagttac 420
catcacccctc aactcaaaac ttcttgagggt gaacatatct ttttttcaga gcctctgtgt 480
gctgggttac tgtatacttc ccttgacagt agcaatgctg atttgccggc tgggtactttt 540
ggctgatcca ggacctgtaa acttcatggt tcggcttttt gtggtgattg tgatgtttgc 600
ctgggtctata gttgcctcca cagcttttct tgctgatagc cagcctccaa accgcagagc 660
cctagctgtt tatcctgttt tctgttttta ctttgtcctc agttggatga ttctcacctt 720
tactcctcag taaatcagga atgggaaatt aaaaaccagt gaattgaaag cacatctgaa 780
agatgcaatt caccatggag ctttgtctct ggcccttatt tgtctaattt tggaggattt 840
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gaggaaactga tgtttgaaag gctgttcttt tctctcttaa tgtcatttct ttaaaaatac 960
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catttggttg acaaccagt acttggaag cacatagata catcttaca gttgaataga 1080
gttgataact attttcagtt ttgagaatac cagttcaggt gcagctctta aacacattgc 1140
cttatgacta ttagaatatg cctctctttt cataaataaa aatacatggt ctatatccat 1200
tttcttttat ttctctctct taagcttaaa aaggcaatga gagaggttag gagtgggttc 1260

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atacacggag aatgagaaaa catgcattaa ccaatattca gattttgatc aggggaaatt 1320
ctacacttgt tgcaaaaaaa aaa 1343

<210> 4460
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (917)...(760)
<223> similar to gil542813 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4460
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aaaggagaca cagcggcagg gctgccccca gggatgaggg aatctttggt ctgggccgga 180
taatgaggac aagggttga gtcgagggga gctggtgaag gaagaccccc gtctccccac 240
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ggggcgcggg gctgcctgtc ctccaccttc ggattccagg cagttgtgac aacaccagct 360
atcggcagag ctattaatag tgtttcaggg agtgacaggg agagggctct gggggctgga 420
agtccggccc tggggcaggg tgttcgctt acagctagta ccaagtggag ggggcagggc 480
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taacagagag gcctcccatc caaaggggga tggagacctg gacaggaggt ggccggggat 600
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<210> 4461
<211> 3957
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1411)
<223> similar to gi5441371 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400>	4461					
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tcccagctca	gccaggggtga	cctcgtgggtg	gccattgacg	gcgtcaacac	agacaccatg	180
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cagaaatcaa	agcgtcccat	tcccatctcc	acgacagcac	ctccagtcca	gaccctctctg	300
ccggtgatcc	ctcaccagaa	ggtggtagtc	aactctccag	ccaacgccgc	ctcttcagca	360
cctgccaccc	acaccagcta	cagtgaagggc	cccgccgcc	ctgcacccaa	gccccggggtt	420
gtcaccactg	ccagcatccg	gccttctgtc	taccagccag	tgcttgcata	tacctacagc	480
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gcaggcagag	taaaatctgc	tgggactgcc	tggagatttg	tcaggagctg	cagacaagta	3300
ccttggaagca	ttctgttatt	tttggaaggt	tcaaatatgc	agggacaagg	aggttgctga	3360

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ctattaaaaa gtgttttttt tttaaaaaaa aaagtaaaat ttctgagggg ggggtttcac 3600
caccgtcctt tattgaatca atttttctac atttcagagc aagtgtagat tctgagggac 3660
tcctatttgc caaaaagaca aaactagcaa aaaaaaaaaa ccaaaaaacc aaaaaaaac 3720
ccattaaaaa ggtaccagaa aaaaaaggaa gtttgaaggg ggggtccactc agggtcggga 3780
agtcggggga agggccagga gaaaggccgg gtcaacctaa agttaacatt gggaggccct 3840
acaaccctaa ccaaaatttt caaaaaccca ggggggggag cacacttgga acctacattt 3900
ttggccccct aatgggggac tttaataaac cttttatggg ccaggcccag gggctaa 3957

```

```

<210> 4462
<211> 1368
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (224)...(1058)
<223> similar to gi3881130 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4462
tttcgtcaac gacgctagta actgcctggc ttctccctct ggtgtctccc ggaaagcgct 60
ccgtctgggc cgtgcgcgat caggccccgg cgcgtggctc gggctcgggc ggagctggag 120
acgtgtggag ctggttcgagg actcgcgggt gtgcagtgc cctatgatata gtgttttaga 180
aatagccgtt aaacttttgt ttgaatgaag aatgtctctc aatccaccta tatttctcaa 240
acgaagtga gaaaatagtt caaaatttgt ggaaacaaaa cagtcacaaa ctacttccat 300
agcttcagaa gatccccctt aaaacttatg ttttagcatc caagaagttc ttcaaaaagc 360
tcagcaaagt gggagatcaa aatgtctcaa atgtgtggt tccagaatgt tctactgcta 420
tacatgttat gttccagttg aaaatgtacc tattgaacag attccacttg tgaagcttcc 480
attgaagatt gacatcatta aacatccaaa tgaaacagat ggcaaaagta ctgctatata 540
tgcaaaaact ttagcacctg aatttgtaaa catttacacg tatccgtgta tccagaata 600
tgaaagaaa gaccatgaag ttgcaactcat ttttcctgga cctcagtcta tctcaataaa 660
agatatttct tttcatctgc aaaaaaggat tcaaaataat gttagaggca aaaatgatga 720
ccctgacaag ccatctttta aacgcaaaag aactgaagaa caagagttct gtgatttgaa 780
tgacagcaag tgcaaaaggc caacactgaa aaaaattata tttatagata gcacctggaa 840
ccaaacaaac aaaatattca ctgatgagcg acttcaaggg ttgttacaag ttgagttgaa 900
aacaagaaaa acttgctttt ggcgccatca aaaaggaaa ccagatactt tcctttctac 960
aattgaagcc atttactact ttctggtaga ctaccatact gatataataa aagagaaata 1020
cagagggcaa tatgacaatc ttttattttt ctattctttt atgtaccagt tgataaagaa 1080
tgccaaatgc tctggagata aggaaacagg aaaacttaca cattagtttt taacaagcca 1140
cttatgtctt tttattttgc taacattaat aaacttatat ttgtgctttg ttttttctta 1200
agaaataatc atatataatg cctgtaagac catttgaaaa aattccagtt tcatatatat 1260
cacttcatat ttcttgaagg aaattgtatc tgggggaatt tttcagagat actgttgatt 1320
gaaaaactta cttcagaagt tatttgctca gtgaaacctc agtttcat 1368

```

<210> 4463
 <211> 2173
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (185)...(1431)
 <223> similar to gi4240130 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4463

gcgagaagaa	aggaaacagg	tttcactaac	ctggattgtg	aatgtatagc	tacattttctc	60
ccccagctta	tgagaatgat	ccacaactat	ttacccaaag	acaaaacacc	accaacttaa	120
ttcaaataatt	taaataatat	ttgtgaactt	atgcctaaat	ataactgtat	ttctttgtctc	180
atagccctac	tttcagactt	tgctattcgt	ttttgttcta	agatgcatgg	aactaaaatg	240
tggaaagaaa	agaatgcgaa	aagatcctgt	tttcagaatt	tccccccaaa	gtagagatgc	300
taagccaaat	ccagaagaac	ccatagatga	agatgaagat	attcaaacag	aaagaataag	360
aacagccact	gctctgacca	cttcaatctt	agatgagaaa	cctgttataa	ttgccagctg	420
tctacacaaa	gaatatgcag	gccagaagaa	aagttgcttt	tcaaagagga	agaagaaaat	480
agcagcaaga	aatatctctt	tctgtgttca	agaaggtgaa	attttgggat	tgctaggacc	540
caatggtgct	ggaaaaagtt	catctattag	aatgatattct	gggatcacia	agccaactgc	600
tggagagggtg	gaactgaaag	gctgcagttc	agttttgggc	cacctggggg	actgccctca	660
agagaacgtg	ctgtggccca	tgctgacgtt	gagggaaacac	ctggaggtgt	atgctgccgt	720
caaggggctc	aggaaagcgg	acgcgagggt	cgccatcgca	agattagtga	gtgctttcaa	780
actgcatgag	cagctgaatg	ttcctgtgca	gaaattaaca	gcaggaatca	cgagaaagtt	840
gtgttttgtg	ctgagcctcc	tgggaaactc	acctgtcttg	ctcctggatg	aacctctac	900
gggcatagac	cccacagggc	agcagcaaat	gtggcaggca	atccaggcag	tcgttaaaaa	960
cacagagaga	ggtgtcctcc	tgaccaccca	taacctggct	gaggcggaag	ccttgtgtga	1020
ccgtgtggcc	atcatggtgt	ctggaaggct	tagatgcatt	ggctccatcc	aacacctgaa	1080
aaacaaactt	ggcaaggatt	acattctaga	gctaaaagtg	aaggaaacgt	ctcaagtgc	1140
tttggccac	actgagattc	tgaagctttt	cccacaggct	gcagggcagg	aaaggatttc	1200
ctctttgtta	acctataagc	tgcccgtggc	agacgtttac	cctctatcac	agacctttca	1260
caaattagaa	gcagtgaagc	ataactttta	cctggaagaa	tacagccttt	ctcagtgcac	1320
actggagaag	gtattcttag	agctttctaa	agaacaggaa	gtaggaaatt	ttgatgaaga	1380
aattgatata	acaatgagat	ggaaactcct	ccctcattca	gatgaacctt	aaaacctcaa	1440
acctagtaat	tttttgttga	tctcctataa	actcatgttt	tatgtaataa	ttaatagtat	1500
gtttaatttt	aaagatcatt	taaaattaac	atcagggtata	ttttgtaaat	ttagttaaca	1560
aatacataaa	ttttaaaatt	attcttcctc	tcaaacatag	gggtgatagc	aaacctgtga	1620
taaaggcaat	acaaaatatt	agtaaagtca	cccaaagagt	caggcactgg	gtattgtgga	1680
aataaaaacta	tataaactta	gaatttttta	aaaatatgac	ttttttacct	tttacaaaac	1740
attctcttgc	tgaaatatgt	gaaggggtata	ttcagtagcc	aagagttgca	tgactacttc	1800
acaccagttc	atgatacaac	aggatatacag	gttttctttt	ataaccaact	acaactcaag	1860
agtcttctga	aagtgttcca	gaaattgctt	taaaactcaa	aagtaagggg	ccaggtgcag	1920
tggctcacgc	ctgtaatccc	agcacttttg	gaggccgagg	caggtggatc	acaaggtcag	1980
gagttcgaga	ctagcctggc	caatatggtg	aaactccatc	tctaataaaa	atacaaaaat	2040
tagccgggcg	ttggcatttg	cctgtagtcc	tagctattcg	ggaggctgag	ggaggagaat	2100
tgcttgaacc	cgggaggcag	aggttgcagt	gagccatgtg	ctagtgcact	ccagcctggg	2160
tgacagagtg	aga					2173

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<210> 4464
<211> 2003
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2004)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(993)
<223> similar to gi4456991 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4464
cttcgtacta aaacccaaaac acccacattc aacatcaccc ttattttctga atgggtgata      60
cccattagga gctgtgtcaa accccccttac atgctgttgg ttggaaatat aattatgatg      120
cctgatgcac aaactataga atgtcataac tgtaagctgt tcaattgcat tgatgcaact      180
tttaatccca ctacaagtat tctctttggta agggctaggg aggggggtatg gataccagtt      240
tctctacatc gtccatggga gtcttccccc tctattcaca tagtcaatga agttcttaaa      300
gacatcctca aaagaacaaa gagatttatt ttactctta ttgcagtcct tgcaggacta      360
cttgcggtta ctgcaacagc agcaactgct ggagttgcca tccgcagttc tgttcaaact      420
gctcactatg ttgaagcatg ccagaaaaat tcctccagac tttggaattc tcaggcgcaa      480
attgatcaaa aattagctaa tcagattaat gatctccgcc aaagtgtaac ctggctggga      540
gatagagtta tgaacttgca acaccgtatg caattacagt gtgattggaa tacttctgat      600
tattgcataa cgccttatgc ttataatcaa gatcaacata gctgggaaaa tgtctcaaga      660
catttaaaag cctgggatga taacttaacc ttggatatatt cacaacttaa agagcaaatc      720
tttgaggctt cacaagccca tttatccaca gttcctggct cacacatttt tgaaggcata      780
actaaacaat tacctgattt taatcccttc aaatggctca aaccgcgtcag aggatcattg      840
ttgttactgg cattattaat attggtatgc ttatgttgtc tccttttagt ctgcagatgc      900
ctccaaggag tccgaaacca agtccgaagt caacgacaag caatgatggc gatggcgatc      960
ctagttaata aaaagggggg agatgtgggc tgcaagccac ccaggtgccg aggcaagaga     1020
ccgaggacat gagctgttcc agtataataa aatataaaac aagaatagtt ataccagata     1080
tagatcttag atatgattat atatgaatat aattaatcat tagttttagt caattactct     1140
ttattccaat attataataa tcctcactct ataatacataa cctacgaaaa accaggccat     1200
acagagatag gagctgaggg gacatagtga ggtgtgacca gaagacaagt gtgagccttc     1260
tgttatgcct ggacagggcc accagagggc tncttgggtc agcagtgatg ccagcgtctg     1320
ggaagacgcc cgttgccagg cggaccgtgg tctatcggtg gcgaaaanng nnagggaaca     1380
cccactactt agcagaccgg gaaagggagt ctccttttcc cctggggagt ttagagaaga     1440
ctgctcctcc acctcttgtg gagggcctga catcagtcag gcttgcctgc aattatccag     1500
aggcctaacc gtctccctat ggtgctgtgc ttcagtggtc acgctcctag tctgccttca     1560
tgttccatcc gtacacctg gctctgcctt ctagttagca gtagtcaatt agtgaaagta     1620
ctaaaagtct ctgatatgca gaaataatgg cataagctat cttctctctc gtctcctctc     1680
cctctctgcc tcggctgcca ggcagggaag ggccccctgt ccagtggaca cgtgaccac     1740
gtgaccttac ctatcattgg agatgactca cactctttac cctgccccct ttgctttgta     1800
tccaataaat aacagcgtag ccagacattc ggggccacta ccggtctccg cgcatgggtg     1860
gtagtggtcc cccgggcccc gctgcctttt atctctttgt cttgtgtctt tatttctaca     1920
ctctctcgtc gccgcataca gggagagacc caccgaccct gtggggctgg tccgtacact     1980
cttgatagtg gcggacgcgt ggg                                     2003

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09468725.013100

<210> 4465
 <211> 857
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (13)...(399)
 <223> similar to gi3879384 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4465
 tccagataacc aaaagctcct cgtccgcctc agtgacgttt acaacagggtc gtttctggag 60
 aacctgaaag tgaacacgga gaatctgctg caagttgaaa acacagggaa ggtgaaaggg 120
 cttattctta cccttaaagg agagcctggt gggcagaccc aagcatttga cttttactca 180
 agatatatttg caccgtgggt tgggtgtggct gaagacccag tgacaggggtc tgcacacgct 240
 gttctcagca gctactgggt ccagcatctg gggaagaaaag aaatgcatgc ttttcagtgt 300
 tccccaccgag gaggagagct ggggaatttcc ctctgtccag acggaaggggt tgacattaga 360
 ggaggtgcag ctgttggttt agaggggcaca ctgacagcct agaggtgggt atgctgtgac 420
 gctgctgtct ctaaccacca agtattttct gcttaaaaaag aaatgtaagg ggctgccttt 480
 agcaaagtgt cgtagtagtc tacttaatcc tcatgttaaa aatcgaaaaa tgggccaggc 540
 gcagtggctc atgcctgtaa tcgtagcact ttgagaggcc aaggtgggtg gatcacctga 600
 ggtcaggggt tcgacaccag cctggccaac atggtgaaac ctcgtctcta ctacaaatac 660
 aaaaattagc tgggtgtgggt gccacatgcc tgtaattcca gctacttggg aggctgaggc 720
 atggagaatc gcttgaaccc aggaggcaga agttgcagtg agcaaagatc gcaccactgc 780
 actccagcct gggcaacaga gtaagactcc attcacacac acacacacac acacaaaatt 840
 gaaaagtga gacattt 857

<210> 4466
 <211> 878
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (878)...(540)
 <223> similar to gi2516266 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4466
 tttttttttt tatgctgaaa gtatatattat atatatagat atagatatatt acttctctgt 60
 agacagtttt tactgatgag tcatttgaac gttcaaagaa caaccgatta caatgctaca 120
 tgaactatac cagaaatgag atggatagct tctcaattca tttcaciaaag ccagcaciaa 180
 gctgatacca aacataaca attaaaacac aaaacagaga accacagatc tcacttaaaa 240

acacagatgc	caaaatacag	aacagaacag	tagccgattg	aaatcaacac	cacataaaaa	300
atgtacaaag	ctttggcaga	tacgaaacca	agttgaaaat	ccaaacttac	actcgtggaa	360
ctggaacaca	aacaccagga	acaaaaatgt	ccccccaccc	tgtcagtggc	ctctggccag	420
ggaaaacacag	gagcgagatc	tctgctacac	ctattagcgg	ggagggggcc	tgctggtggg	480
gccgtgggca	ctgtcaccgg	tgtcagggttc	atcctcatct	gtgtcttccc	actcacactc	540
tgcgagcgct	tcaaggtaat	ggaatggcca	gctctgtgga	tctttcttat	ggagcttggc	600
caaaaacctc	aggacaagca	tcttgctggg	ttccaggaat	gctcgagggc	cccagaggaa	660
ctcatactct	gcgggctcag	tgtaagggat	tcgcctgtac	tctaggtact	tctgcctgac	720
aaacacttcg	gtgatgagct	tcttagtatt	tccaaagaga	ccgtttgtct	cccggacatc	780
caaccctaac	ttgaacagaa	aattaaagat	cagatcctcc	ctgacacagt	tgcccttcat	840
aaagatgagg	ctcaagacca	ccatcagaag	gccaaact			878

<210> 4467
 <211> 1263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1264)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (4)...(649)
 <223> similar to gi4336692 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4467						
gtaaaagttg	ccctgcttct	gacgaattta	gaacagcctc	gcacagagtc	tgagtgggag	60
aacagcttca	ccctgaaaat	gtttcttttt	cagtttgtca	atctgaacag	ctccacattt	120
tacatcgcat	tcttcctcgg	aagatttaca	ggacaccag	gtgcctactt	gaggctgata	180
aacaggtgga	gactagaaga	gtgccaccct	agtggatgcc	ttattgatct	gtgtatgcaa	240
atgggtatta	taatggtgct	aaagcagacc	tgggaataat	tcatggaact	tggctacccg	300
ttaattcaga	attggtggac	tagaagaaaa	gtacgacaag	aacatggacc	tgaaaggaaa	360
ataagtttcc	cacaatggga	aaaggactat	aaccttcagc	cgatgaatgc	ctatggactc	420
ttcgatgaat	acttagaaaat	gattcttcag	tttgatttca	caactatctt	tgtggcagct	480
tttcccctag	caccacttct	ggccttactg	aataacataa	ttgaaattcg	acttgatgct	540
tacaaatttg	tcacacagtg	gaggagacct	ttagcttcaa	gggccaaaga	cataggaatt	600
tggtatggaa	ttcttgaagg	cattggaatt	ctctctgtta	tcacaaatgc	atttgtcata	660
gcgataacat	ctgactttat	ccctcgcttg	gtgtatgctt	ataagtatgg	accttgtgca	720
ggccaaggag	aagctgggca	aaagtgcattg	gttggtatg	tgaatgccag	cttgtctgta	780
tttcgaattt	ctgactttga	gaaccgatct	gagcctgaat	ctgatggcag	tgagttctcg	840
gggactcctc	ttaagtactg	cagataccgg	gactaccgtg	acccgcctca	ttcactggtg	900
ccctatggct	acacactgca	gttttggcac	gtcctagctt	ggggncctt	ccggaaatnt	960
agctttttatc	attgtctttg	agcacctcgt	gttttgtata	aagcacctca	tttcgtatct	1020
gatcccagac	cctcccaaaa	gacctaaagg	atcgaatgag	aagagagaag	tacttgattc	1080
aggagatgat	gtatgaagca	gaactggaac	gtctccagaa	ggaacgaaag	gagaggaaga	1140
agaatggaaa	agcacaccac	aacgagtggc	cgtgaccatg	tagaaaatag	tccctttcca	1200
ggccaaggac	ctgaattctg	tttacttctt	ctggctgtgc	aaaagcacac	tcaagtgaat	1260


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<210> 4468
<211> 2300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (178)...(627)
<223> similar to gi3256105 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4468
ccaggtcagt gttgtctgct acacagccta ctctctgtct ttgtgtgatt tgtcactctt 60
tgcagcccca aagtgggttct aaaggctacc acaggaaact ggacttctaa attcttcagt 120
gacctcaatc ccagggttggg ggaatgtttt ttatagatca tcaccgaccg acctggcttt 180
catgatgaga gtgccatcta ccccggtgggc tattgcagta ctcgaatata tgccagcatg 240
aagtgccagc accagaagtg tctatataacc tgtcagatca aggatgggtg tgtgcagcct 300
cagtttgaaa ttgttcctga agatgacccc cagaatgcca ttgtcagctc ttctgcagat 360
gcttgtcatg cagaactgct caggactata agcactacta tggggaaact aatgcctaac 420
ctgcttccag ctggagctga ctttttttga ttttctcatc cagccatcca caacctgatc 480
cagagctgtc caggagctcg aaaatgcatc aattaccagt gggtgaaatt tgatgtgtgc 540
aaacctggag atgggcagct acctgagggg ctgccggaga atgatgcagc tatgagcttt 600
gaagcctttc agagacagat ctttgatgaa gatcagaatg atccccctct gccaggatcc 660
ttggacctcc cagagcttca gcctgcagcc tttgtgtctt cttaccagcc catgtacctg 720
acacatgaac ccttggtaga tactcacctg cagcacttga agtctccatc acagggtagc 780
ccaattcagt cttcagattg aacaagaagg gatcagatgc cacatcgttt ttgtcgtgat 840
taatttaact taaactaaaa ttttgggtat atgaaagaag gcagcaattc agaagtaaag 900
aagatactaa cgtatttcat catggaaggt cctgtggtga tggttttccc tgggaaaacc 960
ttcagctgct ttatttttag taataaattt ctctgttcaa ttctgtttac tttcatcttg 1020
taatcgggat gtaatctttt ttgcttagct ctgcctgagg taaagtaaac ttcagcctct 1080
tataaacaag agtgatagag agctgcaggg tgctacaaca aataccatag acaggttggt 1140
ttataaataa catgaattta tttctcacag ttctggatgc tgggaagtcc aagttcaagg 1200
agcgcagatt caatgtctgg tgagggccca cttcctagtt cttagacagc tgtcttcttg 1260
cagtgtcctc acgtggtaga agaggaaggc agctctccgg ggtccctttt ataagatcac 1320
taagccgggt catgagaggt ctgctctcat gacctaatca cctcccaaag gccccacctc 1380
ccaataccat cacattaggg gttaggattt aacatgaatt ttggggacat ataaacatta 1440
agtctgtagt agcagcagct gactaacgag ggagataggg agattctgac aaacttctac 1500
tcttgattgt gatcctaatt caaggaatat caagtcccag cccctgcaac ccaggctgct 1560
gcttaatttt catgtcagta tcatcaaaat ccaatgttct gcttaaaactc aagatggaaa 1620
gtccagtcca aggtacactg ttcattcttt tcttcacatt ttgcacatcc ttcaagggga 1680
tctttaacct ctttaacctt ttgtattgca cctcagataa tgtgcttttt agctcagtac 1740
actgaaacca tatgataaca caaattcaca tataattggg ggttagtccc atactctata 1800
acagacttag tctgtctttt tcattagcca tgtaataata taactccatg ttccatgcaa 1860
ctggattttt ggaccctgtt aatagcatta aggtagaggt ttactctatc acctaacacc 1920
tcaacactac ctgtgggatg ccttagttac ccagcagcag gttaccaagg gctgtctgga 1980
aagggaggga caaaaggacc cagaagtaga agaattggga tggagtgggtg agaattgaat 2040
ggttaatgca ctgccattca taattgccaa ttgaggacaa cacaaatggg atttggtactt 2100
tatagtaata aatctgacca gcagagggag ggatcaggca gcagtgttta gagcacacca 2160

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cactggccac	tgtaaactga	gaagctaagt	taactggtat	tttatgattt	tgagtatagt	2220
ctttttataa	gttgtattac	actttacaat	gttaaaagga	aacaaacttt	gtattattag	2280
ccaattcggg	gaaggggact					2300

```

<210> 4469
<211> 1929
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1930)...(1051)
<223> similar to gi3341678 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4469
tgactgtgta tatatatcat ataatccata taaatgcaga aacattttatt gaaagacatt      60
tcgaagccat cgtgttttga tttcatgttc atgacaataa aacttgtaaa cttcagtaac      120
agttaaacct tctttaatta tggattagcc attaacattt ttgaaacgtg gaccatttaa      180
cctcggccta cccctcccaa ctgtcctggt gatgagttca ttagctaagt taaaattaat      240
ttgaactttg atctaaacca aaacaaatcg ggaaaaataa agctgtaaag gaactttatc      300
aagctttcca aaaccaacta aaaattactt gaagttttcc gagtgagcat tgctgtgcc      360
agtattcttc attataggat tataaactcg tttttttccc aaagccgcat gtctacgcca      420
ggcagaggag taattattca gccaatcca tggatggtaa acgatggata taaataattg      480
atagcaccta gaggtctcca gtttggtgg aaggctaaaa gtagagggga actcactcac      540
ttgagaaatg atatttaagt gaataaatag ttctcttcta tgaaactatt actatttagt      600
tctctggaaa acttaagtgt attaatgatt agaacatcaa atcctaagta aagaaatgac      660
attttaaata taaaaagcca aacttttaat aaatcataga gacctcagac ataatatagg      720
aaagaattct tttgtccttg ttacactgt gtacatagta caaatataat tttaaagcta      780
catcctataa catttaagaa ataacagtag ttcaaaatg cttaatagta ggagaaaaat      840
gccttagaag actagggttc taaaagtcag aaataaaagt acaagttatt tttcttctat      900
ccagcaactt tataaagcaa cttgagtcct gaagaaaaga ccgttggttct ttttaagaaat      960
gggtcttctc gaattataaa ctttaacacc attttgcac gaagaatgag aatatttagt     1020
gagtaatgca cctatggttt gcttctctcc acacaaatct tgaatatatg gagcaatatc     1080
ttcttctgtc cacttctccc ttagagagaa aaggctatta aaacgttcct gattatcctc     1140
aggtaaataca tctactttca gcaaaaatat gatttctggt ctcgagtgtc tatccaccag     1200
cgctaaaccc ttaagctgat caagactagt taccattcct tcaggaacac tctgctgcc      1260
cacttcttga aactcagcga gattgaattt caccgcattc tgaagtagca ttcgtgctgc     1320
tgctctacat attttatcag catccaactc aaaataaact tcgccttcat ctacatattt     1380
cttcccataa catttaagac agtgttctat catttctctt ggctccaatg gtccgagttc     1440
ctgaaggcat gtgttcaaag gaactttacc aaaagaccat gattcagaat ccacaagctg     1500
agttacatga ttcagaagtt tcatctcata atcaaatcca agaatcctcc aataacctcc     1560
aatcttacag gcatttagaa cttgtaattg ggtcattatt tcttcctcac ttgcctgaat     1620
ttgatcaagc aaatcttcag ttgtatatat tgagctatatt gaatccttct ctttttgact     1680
gtcaggctct tcatatggat tttccatcaa aagtttcttt agcttcttta acttggttct     1740
acgtcttctt aattcccaat aattattaga aaaaccaaag atctcagtggt gaataatggt     1800
acagtgtgaa tcttcttctt tcaactgggtc cggagtttta caaccaggaa tgaagaaagca     1860
catattggaa gtgtctgcta tcttcaagtc gtatgttttg tctttactgc acagcacagc     1920
ttgctcgtc
1929

```

00488723.0.28460

<210> 4470
 <211> 2017
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2016)...(491)
 <223> similar to gi559371 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4470
 tttttttttt ttctttttaa aaacttttatt taaatggaga ctcttagtca aatgattgga 60
 aaaccaataa cgaaaaatag ttcttcaggt tcttctcctg gaaaggcgga ggacacacca 120
 aactgcactg gccctgtcag gggacacggc accctcgttg gaccaggctc agccctcggg 180
 gtggcacgag gtccctgcagg ctgcaggacc ctccactcc agccctcgtt ggtgacccaa 240
 cccgggcccc tgggtgcatgc tggggaaggc cactggccgg cccctgggct tcggctcctg 300
 aggaggcatg gccccacacc ctgcccggcc ataaatatat acagattcct gggcatccag 360
 ggcaccagga ccgacgcaga gctgggggtcc tgtccctaag cctgtggcac agcgactctt 420
 gacatgggag ccaggagct gggaccgcc caccctccc ctgcctccc cctgggggtca 480
 ccacctcag gcggctgcca gctggcctag gacgcggcgg aactgctggg tgctgtggcc 540
 cagctccttg accctctcca ccatgtcctg ggccgcggaa ggcgatgggt actgcaaggc 600
 agcggccttg gtggtggcca cgatgccgcg caggaggctc cacagcaggt tgctgtagtg 660
 ggtcaccttg ctgcgcagct cagcagcctt ggctgcctg gacagtgtgt ccccgatgaa 720
 caccagcttg tgggcgctga ggatgacgaa cttgtgtgc gccacaaaga tcttgggcgg 780
 ctggttggtg gccacggcgg taaagaaggc gtccacggcg ttggtcagtg tggtcagggt 840
 ggcctcacac tgctccaggt agaagagcag cagctgccgg tccgagggcc ccaggccgcc 900
 tggttcgccc ggggccaggg gttgggctgg cgtccagttg gccaggctgt ggtctatggg 960
 ccgtgacacc tcctgttcca gtcgttcaaa ctgcttcagc tgctgcaact ccagctggct 1020
 cttgccctgc cgcgtgatgc tgcccttttc cagcagctcc ttctgggtct tctcaaactc 1080
 ctccctcccc tgtaggtgga cgtagtcata gtccctccatc cagccccctt cgctgttctc 1140
 gtactgcca tctggcgagt cctgggaggt gaacttaggg ggtgagggca ggggtcgtga 1200
 ctggatgctg ctggtcttgt cagtgggggt ggggtgcagg gtgccacccc cctcaggccc 1260
 cggggcagtg gccttggtcc gtctgaagag cagtgaggca ttgccgtgca ggaaggaggc 1320
 cagctgcttg gcgtcctcgg gcacagcccg cgagcaggcc accagccggt ccaggctctc 1380
 aagggtggct ccagagcctc cccggccagc gtcgagggcc tgacctgtg ccaccagcgt 1440
 ctggtgcacg tcctccatct tctgcagctg ccggctaagc ttggcatgca gggcacggtc 1500
 agatgtgttg gcagcattgc ccaccgcgt gcgggcaaac tccaacagct cgtggacggc 1560
 actctggacg gcggccacag cagcctgcag gtccctgcacc agcggctcct gtggctcaga 1620
 ggggctacgc cagctcccag tcgcaccggc gctgctgcc aggtccagaa ggtgggcaac 1680
 ggtggcgtc acacctgct gcagccgtgc cagggcctcc acagcaactt ccagctccag 1740
 gggttcccg cccggccctg ccacctccaa ggaggacgca gactggctgc tgcgtgtgct 1800
 gccggtgctg gaggcgcaca ggcgttgcc ctctgccggg gcttcacgtt cagctggggg 1860
 aggcaccgca tacacaccac tgtcgaccac gccaccatca gccacctcag gaggaagcac 1920
 ccgttcacgg ggcacatcgt acagggtgcc cgggccaggc cgccgcaagc cagggggcac 1980
 gtcgtagagg tcaggagccg ggggcggcac gtcctcc 2017

<210> 4471
 <211> 1562
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1478)...(951)
 <223> similar to gil006659 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4471
 tttttttttt ttacttgacc gtaggacata ttaagatggt tattattttac taagagtaac 60
 atgtatacat ttgcagtaat ttgtacaatc caactacatt acaattcaca gtaacataca 120
 ctagctctaa cctgccttgg atacaattaa gtctcctcaa cacactatTT tatcgccaaa 180
 cttacattct ggcttttata atcattttgc aacacctggt acagtataca cctatagctt 240
 tgccatagaa atgcccctaa atgcccctca gagagcagag gtgaatactt tctcatgaag 300
 aaacgccaac ttttctaagc gagttcgttt cagtagtggg agccattccc agtaggataa 360
 ctctaccaca cggtagccaa gccgagccag ctgccgcctc ttcattattgt gcagtccaag 420
 gagatccctg gagccatagc aatactgggt cctgtttgtg aactgaacag ccagcttcat 480
 tcttgggggtc tgcatgcagg ctgcggggca caggccagcc atctccatgg cccctgattt 540
 atctgctaca ttgcaaagga agccccccag aggtacagct gccttattct ccaactccat 600
 gggctgctgc ccaggtctct actcagtttt gccctggaaa tgcctcttg ctttcccttt 660
 tagtaactta ttcattcaaat catctgtaag gctgactccc acatgctcaa gccttaattt 720
 ggctacattt tcagccggcg tggcttctct attaaatggt aatggcttca ggttaacatc 780
 aagctggacc tctaagtcag aagatcgggt atgaggcaaa atcatatggt gcttgacgta 840
 ctgggggccc ccagcatgg tctccagtaa aaagacagtt tctaagaatt caggctttga 900
 attcatatcc ttctctgcta aataccacag caattcagac cctcttgct gaaggtgagt 960
 actaagacga ttgcctctgt aatctggaca ctcaatgcc aactgtaccat cgaggggata 1020
 tagttcctta aggaggtcaa acttagttct ctctgagct aacctgacaa accctggact 1080
 gagagcgaaa tcaattaact ctactggaaa gtactccaaa aatgccaggc ccagcaggca 1140
 ggtgggcagg tgttctgggt actggttgaa ttcaggcatc tttctgtgaa tctcacttat 1200
 caggctggag taaaattctt ctgcattggg tggcttataa ttcagagttc caaatgacca 1260
 cagaatcttg gcaacatctt tacttcgaca gtgtgccact ctaggaggca aagacgcagc 1320
 cactgcattc attactcctt cattcaggaa gcgtaaggcc gagcagtaaa gagttaggtg 1380
 catgacacct tgaactccca gggaaggaat tcgctgagga gctatctctc caatctgctt 1440
 catgaaattg atgtgatcca cgtgagtga acggaacatt ttaacaatat tctaagga 1500
 gcgactactc agatgctgaa tgtagcaca agccaagtct ccatttttcc gtaggacata 1560
 tt 1562

<210> 4472
 <211> 2931
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (8)...(1007)
 <223> similar to gi769859 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4472

caccagatca	tctagtcaat	atatagaatc	atthttggcag	tcatcacaaa	gtcaaaaactt	60
cacagctcat	gataagcaac	gttcagtgtc	aagctcagga	tatcaaaaaa	ctccccagga	120
atgggcccc	caaactgcaa	gaataaggac	caggatgcaa	aatgacagca	ttctgaaatc	180
agagcttgga	aaccagtcac	catcaacctc	cagccgacaa	gtgactggac	aacccccaaa	240
tgcactcttt	gtcaagagga	accggtgggtg	gctacttcct	ctgatatgctg	ctcttgccctc	300
tgggagtttt	tggttcttta	gtactcctga	ggtagaaacc	actgctgttc	aagagttcca	360
gaaccagatg	aatcaactta	agaataagta	ccaaggtcaa	gatgagaagc	tgtggaaaag	420
gagccaaaac	ttcctggaaa	aacatcttaa	tagctcccat	cctcgggtctc	agcctgctat	480
cttactgctc	actgctgccc	gagatgctga	agaagcactt	aggtgtctga	gtgaacaaat	540
tgtgatgcc	tattcttctt	ttcgtagtgt	ccgtgccatc	cggattgatg	ggacagataa	600
agctactcaa	gacagtgata	ctgtcaaaact	agaggtagac	caagaactga	gcaatggatt	660
taagaatggc	cagaatgcag	ctgtggtaca	ccgttttgag	tcatttcccg	caggctctac	720
tttgatcttc	tacaaatatt	gtgaccatga	aaacgcagcc	ttcaaagatg	tagccttagt	780
cctgactgtc	ttattggagg	aagagacact	tggaaacaagt	ctaggcctaa	aggaagttga	840
agaaaaagta	agagattttc	ttaaagtcaa	gttcaccaat	tctaacacac	ccaactccta	900
caatcatatg	gacccagaca	aactgaatgg	cctctggagc	cgtatttctc	acttagttct	960
gcctgtgcaa	cctgaaaatg	ccctgaaaag	gggcatctgc	ttataagaag	tgagagagaa	1020
gaaaaatcat	gtcccaagtt	ctgagaattg	ttcacacttt	ctaaccagag	acagaattca	1080
gagctctttt	tgaaagaact	agtttctttt	taaagaagtt	aagtgccttac	ataaacatgg	1140
aacatataaa	tcattcattc	aacctaatta	tctgtgatat	gagagaatca	tttcagtttc	1200
cattgagagc	tctgttaaag	gtatcttagg	agtgcagatt	atatgcagtt	ccttagagaa	1260
tctgttttga	ttctgggctg	agttattaca	gttatggat	gaccagtga	agggatttgt	1320
gtcctttctt	atgaaccttc	ctgatttttt	aacttagatt	tctcactaag	tttcctgagt	1380
tattagtaag	attgctccct	aaatgtaacc	agggattttt	ccattatgtt	cccttttata	1440
ccattttagg	gtgagttcct	tagcttctgc	ctataggaac	ataagtaatg	aaaggtcatc	1500
taggtgtgtg	tttggaattt	ttttcttttg	ttttttggaa	aatggaaaaga	acaaggcaag	1560
gaaggaaaat	taatggggaa	gctgaaggga	ggaaatgtta	cagtaatcca	ctgagatgta	1620
gtttagtcaa	acataggtat	atgaactgtt	aatcttggtg	gattccgttg	ggatttgttt	1680
tttacatctc	ctttttcctt	ccttgaagaa	aaattcttgg	ctgtcccaag	gattcttcat	1740
gtatattgca	aaatttaata	tatttggtca	cttgagtctt	aagagtaggt	caggccaagg	1800
cagggtggatc	acctgaggtc	agaagttcaa	gaccagcctg	gccaacatgg	tgaaaccccc	1860
tctctactaa	aaatacaaaa	attagctggg	cgtgggtggg	catgcctgaa	atcccagcta	1920
cttgggaggc	tgaggcagga	gaattgcttg	aacccgggag	gcggagggtg	cagtaagccg	1980
agaccatgct	tattgccctc	cagtctgggc	aacaaaaatg	aaactccgtc	tcaaaaaaaa	2040
aaaagtaggt	caattcgaaa	cagtttattt	gggacacacc	ctgaagcttt	tgttttgaat	2100
taaaaaatga	gttttcaggaa	ttgacaaaacc	atthtgtaac	cagctgtcct	gggctattga	2160
agaagatttc	atthttccg	catccacttg	ttgcagtcca	agtcctctag	tgcaacgcca	2220
tagcaaatat	aaagattttac	tatgcacgtg	atacatttta	tggagtgcct	caagccaaga	2280
tagtgaattt	atatgaagg	tgtgaaatgt	atthctttac	tactatagta	gttttagttat	2340
aactttgcat	ctataattga	gctttctcat	ctgtcaaagt	ctatggtttt	cttaaaatgt	2400
tacaattcta	gatctatcca	ccttggtttt	ttattgtcta	caaaccatta	aatgtaaata	2460
ttgttttttag	agtcagtcac	tggcctttgtc	atthaccctt	tgagagttcc	acaagtggta	2520
gtagagtgg	ttaacgtctt	tcctctagta	ctaccagtat	tcataaatgt	atacccttta	2580
ctgtaatttg	ttcctcttag	aagtcagatc	atctgattta	tagaggatta	tgaaaaccag	2640
agtttttgaa	aaggcttatt	ttatacatat	gtattatata	gagaaacaaa	tgtttttatt	2700
aaatgtttca	ttgaccaag	taatttaaaa	gtaatatgtt	acctatgtct	ttcaggaaaa	2760
ataattatag	cagctgatct	gtaaatgact	ttaaaagcta	tttttagtaat	ttaaataaat	2820
ttactttctt	ggtttatact	ctctatgtgt	tataaactta	atgatttatc	atcttttaaaa	2880
aaagaaatcc	aagtattttc	cttgaacaat	tgtagcaact	ctggctagga	g	2931

0045733 0.100

<210> 4473
 <211> 1310
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (442)...(606)
 <223> similar to gi214636 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4473
 ggaattccag agaggcgtgt tggacaccat gactttccgt ttctgttggc tgcgcctggt 60
 cactgctatg gcagaataaa gcctggagag agacatagcc tttcaactca tgcttgtctg 120
 atctttacct gggttttacag aaaagcacag tagtgagggt attttgattt agagctgttc 180
 cccatctgat gccaggatcc cttcaacagt ggtggaggag gtttagacac agtggtgagt 240
 ttgattccct ctgtcttttc tctgtagtttg gcctgtcact gctcctcatc ctctgagcc 300
 gtggtgaaga cctacagagt tcagaccctg ctacagaatc aacacaaaat aatcagtggg 360
 cagtgcggac tgtttcttct cttattttta gttctttgag gtaatctttt aaatTTTTTT 420
 ctctgatat tattatgggt cttccctgtc aggacggagg tgatgttcat ggcaacacga 480
 gaacttctgc ggattcccca agcagccctg gccaaagcaa tctctatacc taaaaaccta 540
 gtgtccctct tttctcgcta tgttgaccgg cagaaactga acttgctgga gacaaaactg 600
 cagctagttc aggggatacg ataaaagatc tccaaatgtg tctgtacct ccttttggct 660
 gccacctgca ctgctgccat caccaatgga gtgtttttaa tgagggaagg aaggtagctt 720
 tttcccaaaa gcaaagtctt gtgggatcga ttctgttta caggggttgt ctctctaaat 780
 gtcagatatt tccccactgc tctatgaaat ttggctgggt gatacttctg ctggtttctt 840
 taccttctgt gttacagttc tgcattgtct acttttactc agttctgttt tgcattttct 900
 ttgccctaga gacacaagtg taatctctcc ctttatccct ccacttactc cacctcagag 960
 tagattgtag cctgccaaag gattccttcc ctcatcctat tgaagtgttt ttttcgttgc 1020
 ccccatatta atatgactat agaagagcca attaatgata aatcaagata tacacacaca 1080
 catagatata cacacacaca cccatacat gtatttatgt ggtcttcaga gggtccttaa 1140
 agaatgaatt ttagattgaa aaatathtag ttgtctcatt acctcttcta aacacaaacc 1200
 agctgatgta ttttaatctg tttctgttct atcttgtaat taatttggtg gggtccacct 1260
 gttttaacat aaataaagag tatggcaggc acgtttaata aaaaaaaaaa 1310

<210> 4474
 <211> 908
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (8)...(781)
 <223> similar to gi5830312 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

tttcttcact	gtggcccatg	gagatccac	tggcctcacc	tagactggga	tgcatgcaga	1140
ttttgcagct	tcttttgtcc	agggttgtca	agttcattag	ttgactttat	tcacacccag	1200
agtgatgcag	agaggctttg	aagtccattt	acagcagcat	gtatactgcc	ccaatactct	1260
gcattgggaa	ccctgttaag	ttttcaggca	gagcttcctt	tcattttaaa	gggatttcca	1320
ttggtattga	tatgtcatca	tgctccattt	tttttttcct	cggg		1364

<210> 4476

<211> 1816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1755)...(443)

<223> similar to gi3880293 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4476

tttttttttt	ttcttttaaa	aataatattt	aaattttattg	tttcacatta	gtttgaataa	60
agcacaagcc	aagatggttt	aaatatcatt	tgcagatgtc	caagcttctt	tacaattaca	120
ggtcatgggc	atcatcaacc	tagtccttga	cttgagagca	aaaaaggcaa	aagggtctgtg	180
tgaagtgcag	gaagagcaca	ccctactcat	gtcatgagca	aggaatcaaa	gtcgaagaac	240
agtaacagtc	ttgacatcag	cactgtgaaga	attactctgc	agtaaaactcc	aaccacagaat	300
ggggaagaat	actgaattag	ctgagcacat	tctggacaca	attctgacca	atttcagtct	360
catgatctct	gttggagcag	gtttcattct	ccaattctct	tttacagaac	agcagaactc	420
gagccttcat	aaaagtgatt	aacggccttt	ccgcttcttc	atttttcctc	cagccacctt	480
gttcctgcag	ccaatagcac	cctctgtgtc	atcattatct	ccagcatcct	ctcgcgagcg	540
tttcttcttt	tctccatgct	cccttaactc	cattcgggca	aaaccttggg	cttcagcgac	600
gcgttctgtc	agcatcataa	cctcatcatc	ctgtgttgga	aaacctggta	gtttcttccc	660
aattaagtgt	tctatgcgct	ggaagagttc	cacatcatac	tgtgtgacaa	aagtaatagc	720
ctttccggag	cgcccagctc	tagctgttcg	acctactcga	tggatgtaat	ccttggaatg	780
ggtaggaatg	tcaaagttga	caaccacatc	tacatgaggt	atgtccaaac	ctcggctggc	840
aacgtcagtt	gctagaagaa	tggaaacgggc	cttggcctta	aacttattaa	gggatcctag	900
gcgcttactc	tgactcattt	gtccatggag	ggggatggca	gtgaagccaa	gatttcgcag	960
tagcaaagct	gttctctggg	tattattaca	ggtgctgcag	aatatcataa	aggagtttcc	1020
agccaattca	tttagaatat	aaaccaggta	ggtatccttg	aatttagagg	gaataaaaaat	1080
ataatattgc	tgtaattttt	caactgtctg	gtatttagag	gaaacggcac	atttcacagg	1140
attcttcaga	gctgctcgct	gaagtttttg	aaccttcttg	gtcatggtgg	cagagaagag	1200
gaatgttttc	cgatctcgag	gaatcacttt	gaggatcttg	tcaacctctg	tctcaaaatc	1260
catattcagt	attcggtcgg	cttcatccat	gaccaagtat	ttgagagctc	tcaagttgaa	1320
acctttcgta	ttttccaagt	ggtcaatcag	tcgaccagga	gttgctatta	ttatatgtgg	1380
tttttttgca	agggccaaag	attgagacat	tgaatcaatt	ccacctacaa	tcacagcact	1440
ctgcactcca	atagaggacc	ccagggtctc	aaactgctct	gagatctgaa	aggccagctc	1500
ccgagtcggg	gtaagaacta	gggcaaaaca	acgctgcggg	gtctccagca	gtgcgttttag	1560
aatgggcaaa	gcaaaggcgc	ctgtctttcc	agagccagtt	tctgcaagcc	caatgatatc	1620
acgaccttgt	aaggccaaag	gaatagcttc	aatctggatc	ttggtgggtt	ttgtccatcc	1680
caactggtca	caagcttcac	acaacacatc	tgtcacaccc	aggtctttta	atgttttagt	1740
ttcctcctct	tccacaatcg	gctgggacgc	ttcggtcgga	gaatcgtgtt	cctcgggtgc	1800
cgccatcttc	tcgtgc					1816

09483735.013100

<210> 4477
 <211> 673
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(674)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (1)...(308)
 <223> similar to gi4206161 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4477
 gacagcattg cagaccatgt caacagtgt gctgtgaatg ttgaagaggg aaccaaaaac 60
 ttagggaagg ctgcaaaata caagctggca gctctgcctg tggcaggtgc actcatcggg 120
 ggaatggtag ggggtcctat tggcctcctt gcaggcttca aagtggcagg aattgcagct 180
 gcacttggtg gtggggtggt gggcttcaca ggtggaaaat tgatacaaag aaagaaacag 240
 aaaatgatgg agaagctcac ttccagctgt ccagatcttc ccagccaaac tgacaagaaa 300
 tgcagttaaa aaccaaattt cagtattatt ggtgccaaca tgtctatcct gaggaccttt 360
 gctgctgttg gacactccgt caccttttgg aacacaagta tatcaagata gtggctactg 420
 atgttcaagt gggattgaag tgtgataaat ggatataatt tgttgtttgc tggggtgttc 480
 atggagatgt taagagattg aggccctggg ctgagggtat ataatgtatg tcaggtaaag 540
 tttgaagact gccaaggagc agattttctc cctggaaatg tgaaaactgg aacctataac 600
 tctggataag ggacttggag anggtgtaga aacgttgggg gttatgggaa gacctagggt 660
 tccttcccat aaa 673

<210> 4478
 <211> 1520
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (48)...(944)
 <223> similar to gi2739048 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4478
 gaaacttatc tccataagtt aaaacaaata gggtgacctt atatgggttta ctttttccca 60

```

ggagtaaaga aaattgtgtt gtggataaca tcaaagtgtg cagtaatgac actgggagtg 120
gaaaattcaa gtgtgtttgc atcactatga gagtgcctcg gaaccaact atcggagata 180
aatttgccag tcgcatggg cagaagggca ttttaagcag attgtggccg gctgaggaca 240
tgccttttac tgagagtggg atggtcccag acattctgtt caatccccat ggttttccat 300
ccgcatgac cattgggatg ttaattgaga gtatggccg gaagtctgca gctttgcatg 360
gtctctgcca tgatgtaca cccttcatct tctcagagga gaactcggcc ttagaataact 420
ttggtgagat gttaaaggct gctggctaca atttctatgg caccgagagg ttatatagtg 480
gcatcagtg gctagaactg gaagcagaca tcttcatagg agtggtttat tatcagcgct 540
tacgccatat ggtctcagac aaatttcaag taaggacaac tggagcccga gacagagtca 600
ccaaccagcc tattggggga agaaatgtcc aggttggaat ccgttttggg gagatggaac 660
gggatgcgct tttagctcat ggtacatctt ttctccttca tgaccgcctc ttcaactgct 720
cagatcggtc ggtagcccat gtgtgtgtga agtgtggcag tttactctct ccactgttgg 780
agaagcgacc cccttcttgg tctgccatgc gcaacagaaa atacaactgt actctgtgta 840
gtcgcatgga cactatcgat actgtttctg tgccttatgt ttttcggtat tttgtagctg 900
aactggcagc tatgaacatc aaagtgaaac tggatgttgt ttaacttgat gttgaccttt 960
tggattaaga ggactatcag attaaagcaa aatgtaattt taattcaatg aagatatcat 1020
taccaggtta ctcttgagat ttttcaacgg tgtagaact ctcaaccaag acctgaaaac 1080
caagtatgca aggtttctga atctctctgg tagattaact attgacaatg attttctgtt 1140
atctttgttc aaaaagttca tgtcttctca aaatatgaaa tattgataaa tggaagagca 1200
tacggtgaca agtctccttt ccaaccccag gttccctaca ccctgctctc agcaggcagt 1260
gagtgtcaca cacctgttaa tccatcttga gcaggacagt actatacaaa tagaatgcaa 1320
gctgtaatgt aattttatat tttcttatag ccacgttgaa gtaaaaacaa acaggtacag 1380
tgttttttac cagctttata gaagtacagt tgttacatat ttaatgaata caatttgatg 1440
ggtctgacta tatgcacaca cctttgatac catcaccaca atcagggtaa taaacatacc 1500
tgtcatctcc aaaaaaaaaa 1520

```

<210> 4479

<211> 598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (15)...(436)

<223> similar to gil009457 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4479

```

ggcacgaggt tacttgggtg accaatagac agaagcacct acgttttata aaggaagaac 60
tttatccctc ttggtctgtg gaggtagttg ctgagtggtg ctgggtaaaa ataaccaatt 120
caggagaatt tgtgttccca ttagattctc cacacaaaaa gccctatgaa ggtcttatac 180
tggtggaggg tcaagaaaaa actgctctac cattgaggaa tgcagatgta aacgtgctcc 240
ccattccaga ccacaaatta attgtcagcg tgccctgtac tcttcactca cataagccac 300
cgcttgctga ggtttttaaa gactacatca agccagatgg ggaatatattg gagttgtttg 360
ctcgaaattt acagccaggt tggactagtt ggggcaatga agttctcaaa tttcagcatg 420
tggattattt tattgctctg gagtctggaa gctgactatg atcttgatta aagtagtgga 480
ttcttcattg ttctctcacc acttttccct taattctaag tcattttttt ttttttgtaa 540
ccaccccata tttttaaaat tataaacggg acttggtttt ttcttttaggg gaccaaatt 598

```

<210> 4480
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (42)...(163)
 <223> similar to gi625056 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4480
 ggcacgagcg cagcttggtga ctctgcctc tctgaccccg ccagggtggat tacaaaagctg 60
 acgagtggtgat gatgaaaaac atggatcccc tgaatgacaa catcgccaca ctgctccacc 120
 agtcctctga caagtttgctc tcggagctgt ggaaggatgg tacgcccttt gcccttcgcc 180
 cctgcctcc tcttggtctgc ggctgggtcat cttccacact ccacagtggg ccgagctgcc 240
 aaacaagggg tacacatgtg ccccttgaca taggccaggt ggtctctgcc ctctgtagct 300
 cccatgagag agggctcctc ggaccgaaac aggaggccac tgcccttgcg cacacaccgt 360
 ggccggg 367

<210> 4481
 <211> 1688
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1263)...(358)
 <223> similar to gi2088731 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4481
 tttttttttt ttacacaata ttatatTTTT atttttaaac actgaattgt acatctttca 60
 cataaaacat gagattctag cctgttttaa aaaataagta tacttgctag tactatcttc 120
 actctttttt tttttcagaa gccaatgttc tctaaatctg cagcttcatt tccacagctt 180
 tacagaatca taatctcttg aatatatttc caatgttatt aaaaaataaa aaatcataca 240
 agatatattt agcacattaa aacttaagag gttacagtat aactgtccag acctccaggt 300
 accactgaat acttttccag tacaaagagg ccaatatgtt agaataatta attctctgta 360
 ttacttttta ttaaaaagag gtttttggtg gtaagaacaa ataatctctc atttggtgcc 420
 tgaaatccta aaataggatc attggtttct aggtctgcta cttgctgctt agcaacctgt 480
 cctacttgcc tgccttcctt tctgttgtaa agtacagtgg acatgggagc aggtgacga 540
 tagatgaata ctgcacgaag gcactcaca agggtgcat acgagtaatt tggagcacag 600
 gcaaaaaatt ttttgtctct ctttgatgct tggacatagc ctaaagcatt gaaagttgcg 660
 atgtgctccc acatatcatc ttgtttgctg gagtgtggtt gccagagtag ggcatcaaca 720

tcatggcgca	aacagaagca	gggcatttct	ttaggatcca	ctatgacaga	gaaaaggtag	780
tggttgcttc	caagattcac	cacatgagta	gtttttaatg	tattgccatc	aaatctgcat	840
aaactggagc	tctcttcaaa	gaaaatatca	cattcttcta	actcttgagc	attgcaaggt	900
ggtttttctt	tatctggatt	tggattcagt	tcttcagagg	tcaaatgcat	caaacgttca	960
gctattgcag	cacactgggc	tgaatctctt	ataagttccc	cttgtttatc	tccaattact	1020
agctctggcc	aggtcagtc	ttcattcttc	ttaatcaagg	aaatctccaa	gctattactc	1080
tctttaatta	tccatgtact	gctttcatga	tcaatagatg	aataagagttt	tccttctaaa	1140
aactggtgat	ccttcagtac	aatgttgatg	tgatcaggca	aaaactgtat	ttgaatgtcc	1200
tccttagtat	tgtcttctgg	aagccgtatg	gttactgtca	aatcatcttc	agtctgttgc	1260
cagtaataca	gaggttcttt	gattttctct	gatatgtctt	catccatatt	ttcttcaaga	1320
tcttgaccag	cctgaacaaa	tgtaaagac	ttgtaggata	caatcattag	accatttcca	1380
tcaggctcaa	tagcagcata	atgtggcact	gactttccac	ggagaatatc	acgcttaata	1440
atttcatatt	ttttattatc	ttgatttttc	ttactgatag	tgaccactc	cagagaaaca	1500
tagaaaccac	ttcctttcat	atccaattcc	tctttctcta	ttcgaagaag	tagggtagct	1560
atagaatgtt	cttcagcatt	tagcagtgag	atactgtgaa	ttataataaa	aggatcccca	1620
agttcttcat	taaacataat	ctcccatttt	tcagaagcgc	tatttccacg	ttcacctgtt	1680
ccaatgac						1688

```

<210> 4482
<211> 1575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (335)...(629)
<223> similar to gi3319884 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4482						
ggatttcgtt	tctccggct	gggagtggcc	gctctaggca	gcgttgaggt	cgcggggttg	60
aggggggttg	tgaaaggaga	gcggcctctc	ctctatggtc	acggggccgg	ggcacgcttc	120
ccccactctg	tcttgttact	tccggtagcg	aagcctctcc	ctcttctct	gctccgcgg	180
ggtctgtgct	gagaataatg	gcccggttgg	cccgggacga	gtggaatgat	taatgatgtt	240
ttgcagcagt	tttctacgtc	tgaaattttt	tatgtctctg	gaacccagaa	tttgctaaga	300
gatggaggaa	cctcagaaaa	gctatgtgaa	cacaatggac	cttgagagag	atgaacctct	360
caaaagcacc	ggccctcaga	tttctgttag	tgaattttct	tgccactgct	gctacgacat	420
cctggttaac	cccaccacct	tgaactgtgg	gcacagcttc	tgccgtcact	gccttgcttt	480
atggtgggca	tcttcaaaga	aaacagaatg	tccagaatgc	agagaaaaat	gggaagggtt	540
ccccaaagtc	agtattctcc	tcagggatgc	cattgaaaag	ttatttctctg	atgccattag	600
actgagattt	gaagacattc	agcagaataa	tgacatagtc	caaagtcttg	cagcctttca	660
gaaatatggg	aatgatcaga	ttccttttagc	tcctaacaca	ggccgagcga	atcagcagat	720
gggaggggga	ttcttttccg	gtgtgctcac	agctttaact	ggagtggcag	tggtcctgct	780
cgtctatcac	tggagcagca	gggaatctga	acacgacctc	ctgggtccaca	aggctgtggc	840
caaatggacg	gcggaagaag	ttgtcctctg	gctggagcag	ctggggccctt	gggcatctct	900
ttacagggaa	aggtttttat	ctgaacgagt	aaatggaagg	ttgcttttaa	ctttgacaga	960
ggaagaattt	tccaagacgc	cctataccat	agaaaacagc	agccacagga	gagccatcct	1020
catggagcta	gaacgtgtca	aagcattagg	cgtgaagccc	ccccagaatc	tctgggaata	1080
taaggctgtg	aaccaggga	ggtccctgtt	cctgtctatac	gccctcaaga	gctccccag	1140
gctgagctgt	ctctacctgt	acctgtttga	ctacaccgac	accttctctac	ctttcatcca	1200

caccatctgc	cctctgcaag	aagacagctc	tggggaggac	atcgtcacca	agcttctgga	1260
tcttaaggag	cctacgtgga	agcagtggag	agagttcctg	gtcaaatact	ccttccttcc	1320
ataccagctg	attgctgagt	ttgcttggga	ctggttggag	gtccattact	ggacatcacg	1380
gtttctcatc	atcaatgcta	tgttactctc	agttctggaa	ttattctcct	tttggaagaat	1440
ctggctcgaga	agtgaactga	agtaagtatg	ttttaatggg	tgtcacaaca	ggggatggga	1500
aagaaatacc	aagtgaagaga	aagatcctct	tttatttctc	acacttgaaa	taaatcctcc	1560
atccacccag	aaaaa					1575

<210> 4483
 <211> 1719
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1720)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (206)...(1286)
 <223> similar to gil944136 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4483						
cccgccctcc	aatctgcttc	catggggggtt	ggctttctga	gtggggagaaa	tgactctaata	60
ctggagacat	ttgctgagac	ccttgtgcct	ggtcacttcc	gctcccagga	tccttgagat	120
gcaccttttc	ctgagcctag	gtacttcccg	gacatcagta	accaagctca	gtcttcatac	180
aaagcccaga	atgcctccat	gtgacttcat	gcctgaaaga	taccagggtca	ttttcttggt	240
gaacagtggc	tcagaagcca	atgagctggc	catgctgatg	gccagggcgc	actcaaaca	300
catagacatc	atttctttca	gaggagccta	ccatggatgc	agtccttaca	cacttggtctt	360
gacaaacgta	gggatctaca	agatggaact	ccctgggtggg	acagggttgcc	aaccaacaat	420
gtgtccagat	gtttttcgtg	gcccttgggg	aggaagccac	tgctcgagatt	ctccagtgc	480
aacaatcagg	aagtgcagct	gtgcaccaga	ctgctgccaa	gctaaagatc	agtatattga	540
gcaattcaaa	gatacgctga	gcacatctgt	ggccaagtca	attgctggat	ttttcgcaga	600
acctattcaa	ggtgtgaatg	gagttgtcca	gtacccaaag	gggtttctaa	aggaagcctt	660
tgagctgggtg	cgagcaagg	gaggcgtgtg	cattgcaa	gaagtgcaga	caggatttgg	720
aaggttgggc	tctcacttct	ggggcttcca	aaccacgat	gtcctgcctg	acattgtcac	780
catggcctaaa	gggattggga	atggccttcc	catggcagca	gtcataacca	ctccagagat	840
tgccaaatct	ttggcgaaat	gcctgcagca	cttcaacacc	tttgagggga	accccatggc	900
ctgtgccatt	ggatctgctg	tgcttgaggt	gattaaagaa	gaaaatctac	aggaaaacag	960
tcaagaagtt	gggacctaca	tgttactaaa	gtttgctaag	ctgcgggatg	aatttgaaat	1020
tggttgagac	gtccgaggca	aaggctctcat	gataggcata	gaaatgggtgc	aggataagat	1080
aagctgtcgg	cctcttcccc	gtgaagaagt	aaatcagatc	catgaggact	gcaagcacat	1140
gggactcctc	gttggcagag	gcagcatttt	ttctcagaca	tttcgcattg	cgccctcaat	1200
gtgcatcact	aaaccagaag	ttgattttgc	agtagaagta	tttcgttctg	ccttaacca	1260
acacatggaa	agaagagcta	agtaacattg	tcagaaataa	ataaaaccac	aagtctcaag	1320
aatttgccac	gtatgttcaa	gggtgaattt	gaagaatttc	agaaccactg	gtatccagag	1380
aaagcctgca	gctntccaca	ggagctgtaa	aagtcattgt	gctgctacca	ccatatgtgt	1440
acagaccctc	ttacgtgaga	atcgatgtca	gggaagtccc	gtactcgaga	taatctaata	1500

gtagtagga	tgtattgatc	cgttcatgat	ggtaccagat	aggatgattt	gcatgactta	1560
gaactttggg	gaaaaaagag	aaaagatata	ttgtgttgcg	ggtcttggtg	tgcgtatgcg	1620
gacagtccat	cntgacatct	cgттаaccgc	cctaccgatg	acgtcgctcg	tgtggggacc	1680
ccgtcttctc	cggacgggtcc	caaacgggct	ggtgcggtc			1719

<210> 4484
 <211> 820
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (283)...(761)
 <223> similar to gi5832796 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4484						
ggcacgagcc	cgtctccagc	ccgggcttac	gccccgccga	cagaaaggaa	gaggttttat	60
cagaatgtca	gcatcacaca	gggtgaaggt	ggctttgaga	taaacctgga	ccacaggaag	120
ctgaaaactc	cccaagccaa	gctctttacc	gtccccagcg	aggccctggc	cattgcagtg	180
gtctactgagt	gggattccca	gcaggatacc	atcaagtact	acaccatgca	cctgaccaca	240
ttgtgcaaca	catcattgga	caacccaacc	cagagaaaca	aggatcagct	gatccgggca	300
gccgtgaagt	ttctggacac	cgacaccatc	tgctacaggg	tggaggagcc	cgagacatta	360
gtggaacttc	aaaggaatga	gtgggatcca	atcatcgaat	gggctgagaa	aagatacggc	420
gtggagatca	gctcctccac	cagcataatg	ggaccagca	tccctgcaa	aactcgggag	480
gtgctcgta	gccacctggc	atcttacaac	acatgggctt	tacaagggat	tgagtttgta	540
gctgccagc	tcaagtccat	ggtgctaacc	ttgggcctga	ttgacctgcg	cctgacagtg	600
gagcaggccg	tgctgctgtc	acgcctggag	gaggagtacc	agatccagaa	gtggggcaac	660
attgagtggg	cccatgacta	tgagctgcag	gagctgcggg	cccgaccgc	cgccggcacc	720
ctcttcatcc	atctctgtc	cgagagcacc	acagtcaagc	acaagctcct	gaaggagtga	780
ggcctgggca	gagcacactc	agcaggatag	aggcagtga			820

<210> 4485
 <211> 1220
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(763)
 <223> similar to gi33980 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4485
gctggaggaa gtactcaaga gtgagctgag tggaaacttc gagaagacag cgttggccct 60
tctggaccat cccagcgagt acgccgcccg gcagctgcag aaggctatga agggctctggg 120
cacagatgag tccgtcctca ttgagttcct gtgcacgagg accaataagg aaatcatcgc 180
cattaaagag gcctaccaa ggctatttga taggagcctc gaatcaaagt tcaaagggtga 240
tacaagtgga aacctaaaaa aaatcctggt gtctctgctg caggctaata gcaatgaagg 300
agatgacgtg gacaaagatc tagctggtca ggatgccaaa gatctgtatg atgcagggga 360
aggccgctgg ggcaactgat agcttgctgt caatgaagtc ctggccaaga ggagctacaa 420
gcagttacga gccacctttc aagcctatca aattctcatt ggcaaagaca tagaagaagc 480
cattgaagaa gaaacatcag gcgacttgca gaaggcctat ttaactctcg tgagatgtgc 540
ccaggattgt gaggactatt ttgctgaacg tctgtacaag tcgatgaagg gtgcggggac 600
cgatgaggag acgttgattc gcataatcgt gaccagggcc gaggtggacc ttcaggggat 660
caaagcaaag ttccaagaga agtatcagaa gtctctctct gacatggttc gctcagatac 720
ctccggggac ttccggaaac tgctagttag cctcttgcac tgagccaagc cagggcaata 780
ggaacacagg gtggaaccac ctttgtcaag agcacattcc aaatcaaact tgcaaatgag 840
actcccgcac gaaaaccctt aagagtcccg gattactttc ttggcagctt aagtggcgca 900
gccaggccaa gctgtgtaaa gttaagggca gtaacgttaa gatgcgtggg cagggcacct 960
tgaactctgg cttagcaagc atctaggctg cctcttctact tttttttagg catggtaact 1020
ggatgttttc taaacactaa tgaaatcagc agttgatgaa aaaactatgc atttgtaagt 1080
gcacatttag aaggatatgc atcacacaag taaggtagag gaaagacaaa attaaacaat 1140
ttattaattt tccttctgtg tgttcaattt gaaagcctca ttgttaatta aagttgtgga 1200
ttatgcctct aaaaaaaaaa 1220

```

```

<210> 4486
<211> 930
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (926)...(263)
<223> similar to gi5326797 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4486
tttttttttg acattacaaa gttttttaat tcttttaact tagtccagac acaagaagcc 60
agattatatt ttaggtgtcg acagaactat ttgtttaaaa tagcaagttc aggtgagtta 120
gtagtcatga aaattaaaaa gaaataccaa ttccatttcc tcgtgtacct ctttgcaaat 180
gtcggacaaa gcagagtttt ataatagttt aataacttgt gtaacaacgg tggctttggt 240
gtatctctaa agtggagtct ttaaattata aaggattttg tgtgcttgaa atcattttca 300
ctcattgtcg tggctttaga tgaagaatta ctcttctgga aggaggtttc ttttgaaaag 360
tagcctttcc tctgagcata gcatacacca aggccacaaa cggaatcac taaggccaca 420
actactacgg ctgctatgat gccacttatg ttgagatcat ctacttgcat tcgtttccca 480
ggacacctgc gatatccaac agaattgcgg gcttcacagg aatattctcc agtgtccagt 540
ttggaaacag tattaaattg cagagttcca gtttttgtat tcattgtgta tgagctgttg 600
gtgctttggg agccaagtct gggattttct agcaaacgga tgccatcctt aaaccatgtg 660
tattcaggag ctggattccc ttctttgtct tgacatcgta gctctaccac agttccactc 720
agagcagaag agggtagctt acatgatgga actgctggag ccactaatac ttccagagtg 780
actgtatcct cttccagggt ttggccttgc tcagatgggg cactaacttc acaacgatat 840
ttccccgcat cacttcttgt cacatttttg atccggatat tgaaatctat catctcagct 900

```

cgattttttaa aatcaccttg aagagtctgt

930

<210> 4487

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(243)

<223> similar to gi5650780 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4487

agaaaaggct	aggatgatat	atgaagatta	catttctata	ctatcaccaa	aagaggtcag	60
tcttgattct	cgagttagag	aggtgatcaa	tagaaatctg	ttggatccca	atcctcacat	120
gtatgaagat	gccccacttc	agatatatac	tttaatgcac	agagattctt	ttccaagggt	180
tttgaactct	caaattttata	agtcattttgt	tgaaagtact	gctggctctt	cttctgaatc	240
ttaatgttca	tttaaaaaca	atcatttttg	agggctgaga	tgggaaataa	aagtagttaa	300
ataacatcag	aaactgagtt	cctggagAAC	tacagtttag	cattcctcag	gctactgtga	360
aaacacaacc	gttatggtct	ttgtctccat	ttttatcaag	gttttccatg	gttaagtttg	420
gagaaaatac	cacacaaaac	aatgaattgc	caaattgttt	gttttattca	agactcaatc	480
tactttgcaa	gcg					493

<210> 4488

<211> 1917

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1877)...(899)

<223> similar to gil217983 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4488

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catcagtgcc	atttgaacaa	atgaaaaact	gaggctcaga	gagattcaat	accttatcca	180
aagctctcca	gacaataagt	gcaaaaacaa	ggatttgaat	tcaggactgt	ttgattccaa	240
atctggaact	ttctggaacc	tctgacacac	acacacacac	acacacacac	acacacacac	300
acacagcacc	atgtcctgag	ctgctgcctc	ctggactccc	gccagactgc	acctgacaga	360
caaagccaac	taggagggag	gggagtgagg	gagaagggtc	cacaggtgac	caatgcctgg	420


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cccccttcattg acagcagggg ctagggctgt cccacagggg ctagagagag gtgtggaagg 480
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gggcaaaaaga acaaacagtc cttgccacag agggagacag gcagcagcct tatcaaacia 600
gataaggaga cccggtatgat gtgccttttg agggccctgg tggaggagga ggattgagcc 660
aggatgaatgg gaaagggaaga aaagatgaac ccattcttga gtgttggtact ttggttgctg 720
gagagccaac agtggagact ggagacaaat atttaagtca ttccggcagg ccccatgtac 780
gtgcctcaca atctaaccac gccacaccttg gccagaaagg aaggcttcct atggagggtgc 840
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ttgggggtctg ggttgagtaa actgaagggtg atctcatagc ccaagctgga cttgagaggc 1860
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<210> 4489

<211> 870

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(871)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (604)...(367)

<223> similar to gi3876766 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4489

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atcttggtct agccaattcc caccagttt ccaggagtct catttgatt tccgggagca 180
gctgtccaat ggggaaggcag caccctgccc cccccacaa gggggcgga ctctggtg 240
atcgaccac tcttggtatc cagggatggg ggggaacggc ttccactgag gtccgggtga 300
caggagggtg gtcttccctc aaggcagggt tggagttagc tggaggaggg agttctggcc 360
ttggaagagg cccagcagtc cgctgtctgg ggcgggctcc ttgatgagtt tctggatctc 420

```

cttgaactgg	gggtggacgg	catcgccac	aagctgcaga	atgagccctt	cgctggtgga	480
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tgaggagcag	gcgtccacca	ccacatggac	ctgcagcccc	cggtctagga	ggtccagggg	600
cgtgttctgt	gggtagagag	aggtcagggc	caacccccga	taagaacggg	ggtcctgggt	660
aaggaattgg	ggatggtgag	tcagaattag	gggccagaaa	tggggaggag	ggaggctcgg	720
atcagaggaa	ggggccccc	ggtcaggagg	ggatccaaga	taggatgggg	cccacagggt	780
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<210> 4490
 <211> 6336
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(843)
 <223> similar to gi3876327 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4490						
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cagtcagggg	taaaaagaac	agtactacag	accaagtata	tcaggctatc	gcagcaaagg	180
ttggcatgga	cagtacgaca	gtgaattact	ttgccttatt	tgaagtgatc	agtcactcct	240
ttgtacgtaa	attggcacct	aatgagtttc	ctcacaact	ctacattcag	aattatacat	300
cagctgtgcc	aggcacctgc	ttgaccattc	gaaagtggct	ttttacaaca	gaagaagaaa	360
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aaggtccctt	ccggctctaa	aaggctatga	ttctagatga	gaagttatat	caagaaagat	1500
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cgggcccg						1927

<210> 4493
 <211> 1770
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1771)...(679)
 <223> similar to gi5817263 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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acaaaaaagg	gaagtttttg	gttgtttcca	aaacaaggaa	agcatgttaa	acagaatctt	180
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cttctcgtga	agctctttct	ctgcctcctt	aagttcagct	tctttctcct	tactctcat	660
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<210> 4494
 <211> 1836
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(318)
 <223> similar to gi849238 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

004507.0.28460

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 tctgccacgg cttcagtcag ggccaggagg aacacgtgaa ggagaaagag aaatgcagga 1740
 gccgcggggc tcccggttcc ttgggaagag ggtgccatt ggacctttgg cactggatga 1800
 gccataaac caaactctgg cacctcaaaa aaaaaa 1836

<210> 4495
 <211> 1245

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(813)
<223> similar to gi309209 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4495
gtaactagta catcgtaacc acattacgcc agcttggcac gaggggaaca ccaggcagat      60
tcattttatac agcgctcaac gaacccacca tcgattatgg tttccagagg ttacagaagg      120
tcatttcctcg gcaccttggg gaccttgagc gtttgccaaa ggaagtaata ctcaaaaggg      180
ctgcggatctt ggtagaagca ctgtatggga tgccacacaa caaccaggaa atcattctga      240
agagagcggc cgacattgcc gaggccctgt acagtgttcc ccgcaaccac aaccaactcc      300
cggcccttgc taacacctcg gtccacgcag ggatgatggg cgtgaattcg ttcagtggac      360
aactggccgt gaatgtctcc gaggcacac aagccaccaa tcagggtttc acccgcaact      420
caagcagcgt atcaccacac gggtagctgc cgagcaccac tccccagcag accaactata      480
actccgtcac cacgagcatg aacggatacg gctctgccgc aatgtccaat ttgggcggct      540
ccccacctt cctcaacggc tcagctgcca actcccccta tgccatagtg ccatccagcc      600
ccaccatggc ctctccaca agcctcccct ccaactgcag cagctcctcg ggcatcttct      660
ccttctcacc agccaacatg gtctcagccg tgaaacagaa gagtgctttc gcaccagtcg      720
tcagacccca gacctcccca cctccacact gcaccagcac caacgggaac agcctgcaag      780
cgatatctgg catgattgtt cctcctatgt gaaagaattg ccttgaagaa ttgtattaat      840
gaagagggttg gattctgcta cagagagtaa tctgatacaa gtcccagagt ggaactttta      900
actcaggcct ttttaagagg aatcacaata actgcagatt tttaaacaaa caaaatcacc      960
gaccttgcaa atactgaaat tggaagaggg atctgcaagt gcagggtgtt ggttaaagtt     1020
gtacctccca agtatattgg ggatatatatt attctgtatt gacaaaagca aatccacttt     1080
ttcttttttct tttttttttt ttaagcttaa ttctgcaatc atttgtcttt tataaaccgt     1140
aaagctctat acaagggaca ctataaaaaa aactccatgt tttaatattat gatgttttta     1200
aagctgtgta aaggaagaat gaagtgggtga tatttacaaa aaagt                          1245

```

```

<210> 4496
<211> 1105
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1106)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(690)
<223> similar to gil504002 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```



```

<400> 4496
ggtggaggaa tgtttcaaga acctgaaaat gaaggtggag aaggagtacg gtgtccgaga      60
gatgcctgac tttgacgaca ggagagtggg ccgtcccagg tctatgctgc gctcatacag      120
acagatgtcc atcatctctc tggcttccat gaattctgac tgcagcacc cagcaagcc      180
tacctcagag agctttgacc tggaaattagc atcacccaag acgcccagag tggagcagga      240
ggaaccgatc tccccgggga gcaccctgcc tgaggtcaag ctgcggaggt ccaagaagag      300
gacaaagaga agcagcgtag tttttgcgga tgagaaagca gctgcagagt cggaccctgaa      360
gcggctttcc aggaagcatg agttcatgag tgacaccaac ctctcggagc atgcggccat      420
ccccctcaag gcgtctgtcc tctctcaaat gagctttgcc agccagtcca tgcctaccat      480
cccagccctg gcgtctcag tggcaggcat ccctgggttg gatgaggcca acacatctcc      540
ccgcctcagc cagaccttcc tccaactctc agatggtgac aagaagacac tcacacggaa      600
gaaggtcaat cagtcttca agacaatgct ggccagcaaa tcggctgaag aaggcaaca      660
gatcccagac tcgtgttcca cggacctgtg agctgctgct gactagggtc gcatgggaga      720
gccagggagg ggagtctctg gaagaggaaa gccatgcgtg gaacatcgaa gcctcagaga      780
gtgggagact gtcccatca gttgtcctta cttagaggag acagagaggc caatcaggtc      840
ccagagctgg agtgctaaca agcccagcat cccctggggc tgtgatcatg gtggatgagg      900
aagcctcaac gtagattcct gaactcaagg taccagcaag aatgccttct cccagtgtgc      960
tctcccaac atcctaggca cagctttcat aaccagttt cttaggtgta agaaaactgct     1020
tttatctcat ttattaagtc tcagaactta acagaaaagg aagcctttta aatattcttt     1080
ttaattntat tttagattaa cagtt                                     1105

```

```

<210> 4497
<211> 1013
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (72)...(635)
<223> similar to gi4240255 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4497
cccctaggag ccctgaacac catacgccag cttggcacga ggggagaagt ctcggtccta      60
taatggccag catggcagac agaaacatga agttgttctc ggggagggtg gtgccagccc      120
aaggggaaga aacctttgaa aactggctga cccaagtcaa tggcgtcctg ccagattgga      180
atatgtctga ggaggaaaag ctcaagcgct tgatgaaaac ccttaggggc cctgcccgcg      240
aggatcatgc tgtgcttcag gcgaccaacc ctaacctaaag tgtggcagat ttcttgcgag      300
ccatgaaatt ggtgtttggg gagtctgaaa gcagtgtgac tgcccatggt aaatttttta      360
acaccctaca agctcaaggg gagaaagcct ccctttatgt gatccgttta gaggtgcagc      420
tccagaacgc tattcaggga ggcatatatg ctgagaaaga tgcaaaccgg actcgcttgc      480
agcagctcct tttaggcggg gagctgagta gggacctccg actcagactt aaggattttc      540
tcaggatgta tgcaaatgag caggagcggc ttcccaactt tctggagtta atcaaaatgg      600
taagggagga agaggattgg gatgatgctt ttattaaacg gaagcgtcca aaaaggctctg      660
agtcaatggt ggagagggca gtcagccctg tggcatttca gggctcccca ccgatagtga      720
tcggcagtg cactgcaat gtgatagaga tagatgatac cctcgacgac tccgatgagg      780
atgtgatcct ggtggagtct caggaccctc cacttccatc ctgggggtgcc cctcccctca      840
gagacagggc cagacctcag gatgaagtgc tggctattga ttccccccac aattccaggg      900
ctcagtttcc ttccaccagt ggtggttctg gctataagaa taacgggtcct ggggagatgc      960

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gtagagccag gaagcgaaaa cacacaatcc gctgttcgta ttgtggtgag gag

1013

<210> 4498

<211> 1658

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1646)...(657)

<223> similar to gi3169705 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4498

tttttttttt	ttggctgcac	cagtgtat	ttccatccaa	aacatacaca	ggggaggctt	60
gatgccaccc	caggaaacag	aataacccct	tctagggact	tcttagcaga	gactgatctc	120
catctgcccg	caagggctgg	gtgtccaatt	tgctctgctt	cccagagctg	catggtgggt	180
agaggagtaa	gtggaacata	agaacaggct	tgcatgactg	tgtttatttg	aaccaccaga	240
tctgttccaa	taaagagctc	tccagaccct	gcctcacctt	acaggggaagg	gcttagagtc	300
aggggaagagg	ggcctgttgc	tctgtccct	gaaaaaggag	gtcaagatgg	agcccgggct	360
tcttggtgac	cattcagact	cctccactg	cttgtccctg	tggaggacac	aggacgggct	420
accccatctc	aggtttgggg	tgggatcgct	cacagtcacc	cccgaacag	ccccaaactga	480
gggtgggggg	cctggccctg	gacacctcat	gtctctgggc	cggaagcca	cgatccctca	540
tccatcaggc	ctgctgcgcg	tctccacccc	agcgggggat	ggacatctgt	gctccctcgc	600
agtacactgc	ggacccagga	gggtccctgc	atgacattcc	tctccttggc	ctcaggccag	660
caggcggtctg	tactctgcca	gagcagagga	ctttctcacc	ccatcccaga	tccgggcagc	720
gtagtggaac	cagttcttct	cggtgaggat	cgtgtgtgac	agctgtggcc	gggccatgga	780
catcacttgg	ctccggagct	tgctcaccaa	ggactggaaa	ctgggggtggc	cacgataccc	840
aggcagcagg	gagaagagtg	ggctggaacc	aggctctgct	cttgggtgggt	tttcaactctc	900
tgcttcaactg	tccatgaagg	gtaccaggaa	taagttgacc	tcagagtcca	ggaagtcagg	960
tggaagcccc	gggaagacat	tgcattgtaa	catggacaga	gttcccttgt	aacgcagggtg	1020
ggagtggggc	atgagctggg	caatcatcag	gtgcatctgc	cgcagcttcc	gaggacagaa	1080
gtcctctcgg	cgagctttgt	tctgcaagaa	gactaggtgg	gggtagtact	cggtgccttc	1140
atcggagccc	gatgagctgc	tggactcgtg	gctgggggat	ggggtggagg	gcttcaccat	1200
ctctgctgtc	tgcaggaacc	tgtagagact	gaggtctgtg	aaccagtcct	ggacaacaat	1260
caccacatgg	cagaccgtga	aaaggaaggc	agcaatctgg	agtgactgca	tttcaacgta	1320
agtgtgggga	aggttgtact	ctggaggcag	tttgcggtca	ttattgatga	gatggtctag	1380
gatagaaggg	ctcaggatgg	gctgtgtgtc	caggaaaaca	atccgttctt	gggtaataaa	1440
gaagtcgatg	ccactgggtc	gggtggcccc	tcgttccctc	atttcagcgc	tctgggccccg	1500
gaaaacataa	gtcctctggg	cctcctctgg	agtgttggtc	gacaacaatg	acatgacat	1560
ggacttgctt	gtcccttgga	ggcccaggac	accaaccacc	aacacatcag	tctgatccaa	1620
caggtactcg	atgccactgt	cacgaattcc	acgtctgg			1658

<210> 4499

<211> 2108

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2021)...(1590)

<223> similar to gi3298605 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4499

tttttttttt	ttaggtttta	taattatttt	aattacaaat	ttccaccaat	tcttgccagt	60
catattattg	tggatatcac	aaatgaatta	tataatagta	tattacctta	tattcatctg	120
catgaaactt	aggagaaaag	agagcagaaa	tgtataagtt	tctgagaatg	acaccataaa	180
gctcatattt	acagtatggt	agtctgtaaa	catacaggcc	tgccagttaa	agcccaactct	240
tctatcatca	cccagctgca	tgaccctgag	caagtcactt	ttgtttgcta	atttttaata	300
tcatctatca	cctgacttct	ctatctacga	gagttaactg	gctgcatgca	aaataccatg	360
aaaaatacca	tgcactttta	agtgtgaagt	agcactgtaa	agtgacttat	atattactgg	420
tctttctatt	tttagagtat	taatattcat	acatcagtta	aaagtcaaca	tgtgtttgct	480
aagtgatcct	tttgaaagga	tcccttttaa	agttcctagg	catcagcttc	actgacaatc	540
tggtagtatt	ctgaagccag	catttcaact	cttggaaga	tatacaatag	tcacagcttg	600
aattagtaac	taataaaata	aaatgccctc	ttatttctca	aaatgtaata	attcaggagt	660
aatgacatca	agatttttct	cctcaaaactg	aggagaaaaa	agcccccccg	tggcttggtt	720
aaatgactta	aaatacaagt	ggtaactatg	gtgactaggg	aaccaatggt	taaaacatca	780
aaagattatt	acaaaaatcc	aatttcccat	gaatttctaa	aaattaaaaa	tctgagatgt	840
tgtgtctgag	aaactgcttc	ttcagcaaaa	tatttagcac	agactacatc	atcccaaatc	900
tatggtatgg	ccaggatatt	aggtccttca	accaacgttt	ttagaaaggg	tcccgttgct	960
ctttacttgc	aaaatgacta	tctctagggc	ctcaaaattc	aagagacaac	ctagctttta	1020
taatgttaaa	aagggaagac	tttggcatgt	aaactagaac	tacatgattg	tgaatatttg	1080
gcaaatgat	ctctatgtgt	atatacaagc	tatagctaac	atgattatta	caagtttttt	1140
ggaagcttga	aggccaagga	aaataatctg	cacatataac	tttctgattt	atcaagtact	1200
gagatattaa	tgaattcttc	atattgttac	tcctgtatca	gttctttaga	atttcttagc	1260
ctttgggtac	tctaagcctt	ggatggaacc	atttagggag	tagctagata	tatgcaaaga	1320
atattaggat	ttagaaacat	ttctggttta	tcaaagtga	aagataaata	ttacaaacac	1380
tgaaaatgtg	aaaataaggt	tcaagagagc	tgcaaaactat	gtgggtacca	gttagaaagt	1440
atcttcatct	gactcatcac	tcttgggttt	ggtaagtctt	tctagtctct	ctccatcccc	1500
actggaacgc	tcccaaagat	tgccacttag	atctcggatc	ctttcttgcc	taggtgcgta	1560
ttccggaact	tgaggcttgc	tggcattata	aataaatata	gagagaagga	ctgatggggc	1620
ttccaagaaa	aattccaggg	agggcctgaa	gtcaaagacc	aggacagaca	ctgttgat	1680
aatgacagtg	gtaacctggg	ccatcaagac	atggaacatg	ttatccagga	acttcagaat	1740
gaaagccact	gaaaggccct	ggaatgcagt	tacaaaaata	agggtactg	aaaatgccct	1800
gtggccataa	aaaaatccac	agttcttaat	ctgatcacgg	ttactcctct	gaaggcccag	1860
agtcagccca	ttaaacagaa	tgccaaagaa	atagagttag	ctgttctgta	tgaagatgct	1920
ttcagtgagc	tggttccctt	ccttcagtat	cttttcatta	tagatattag	ccattgaaga	1980
aataaaacac	tggactataa	taagaacatg	gcccatgcc	agacggatgt	gactgaaaac	2040
tctggctgtg	gtgttccatt	tagcttcagg	aaaagtccat	tcctttgctg	tacaattgtc	2100
ttttctgg						2108

<210> 4500

<211> 2017

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2016)...(1427)
 <223> similar to gi5579090 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4500

tgcaaggaaa	agtcacctac	ctccccaagc	tggtgcccac	agaggggggag	gcacctccac	60
ctgacgcagg	gtgtctgagc	agcagtccca	gaagaggttt	actcagggga	tttgggggagc	120
gccccctttg	gaacaaaagt	acagggtatgt	gcccgaatcc	tgccctcgtga	tgggccttca	180
tgatacgaac	ccccagccc	ttaaaaaaaa	ggttttatat	gaaagggttcc	atdddgtttc	240
tgtataaagg	cttttatcct	gtaaggaaaa	aaaaaaaacc	caaaacccta	gacataataa	300
atgcctgttt	tctacaaaa	caatgtctaa	ctctgggtgg	actgatctct	tctcaacagc	360
ccagggcagg	gctggtccct	cattcacctg	tgtccacagg	gccgaagaca	ctgcacacac	420
taggacagga	tttgattgaa	tttaaactct	gccaccacc	aaggagacct	ggggatattt	480
aatgtttgag	ggccacacta	aacgatcact	gcagagaacc	acctcttttc	tttactgtag	540
tttaagtatg	ataagtgggc	tttgctatta	cttattggaa	aaaccagtaa	gaaaagctaa	600
tcttcaggct	tcaatgtgat	ttgacatgca	aacgggaagt	tttgccaggg	gttaataaag	660
gttgtgaatt	ccaaattcct	agccgaatat	ggctttgctg	gtaagcccc	tgggaaggag	720
gttgggaggg	ctgaccagat	ggatcatcggg	gcactgggat	ggaggcacgc	tggggcctga	780
ctgcctgctc	tgctggagac	tgcagaatgg	atggcagatc	cacagtgcac	cccccttcca	840
aaccaggag	gcatctgtcg	ccttctcttt	ggtagacagt	ctggagacag	cagaaaccct	900
ctgctctatt	tttttgccac	tctaaatata	gcagaaaaca	aaataaaaata	aataagataa	960
tctttgctgc	ctccagggtgc	cctctgaggg	acagacagct	gctccagagt	tgttcatgag	1020
gacaaaaagc	ccaggcagcc	tggagaccca	gctgctttgg	gtgagcctta	gctcacttcc	1080
tgtgggtcct	gggacttacc	aggcccaccc	ccatgcgcac	ttctccaggc	agggttctgag	1140
gactcttttg	acaattttctc	tttctttctca	accttcaat	ctcctaattcc	acccccctac	1200
ccccaatatt	ttcatagaaa	ctaagggaat	tttggagggtg	aaagaagtca	tctagtttcc	1260
agtgtccacc	ctccccattc	tacagatggg	gaaaccaagg	cacagagagg	gcagtgcctt	1320
gccaagggtc	attcgggtgag	tcaagtgttg	agcaggcctg	aggcccagggt	cccccagttc	1380
ccaccccggt	ctgcagccca	cccctcagtc	ggccttgggc	agggacttcc	tgtgcgaggg	1440
gggcacgagg	tgggggggca	ggctgctggg	cagctcgtag	ccgtcgcagt	tgatcttgat	1500
gaggtgcttg	gccagcgcga	actcctcctc	atcaagcatg	ccgtcgcagt	cgcagtcggc	1560
cagcttccag	atcttgccca	ggacgctgtt	gggcagcttg	gaggtcacca	tctccttctt	1620
ggcgttgaca	cctgatattc	tgccattgat	gggcgacaga	gtgtagaaga	gctcgtcgta	1680
gacgggcttg	tctttggcca	cgacccactc	ctcctcgtcg	gcgcccctct	tggcaccctc	1740
cccgtagccc	tgggtgaagg	ggccctcggg	ggtgccatcg	aaggcgccgc	cctgcaccag	1800
ctgcgtgggc	gtgctcgtct	cctcctgggt	gatgagggtt	atgaggggag	agatcttggt	1860
gctcagcatg	ttgtccactg	cctcgatcag	cttgggcttc	agcgagtgga	attdgttgaa	1920
gtcatagttc	tcaagctgtt	cctgcatagc	cttgacctca	gggaagtccc	ctgcagaaat	1980
ctggtattct	cgctgtagct	gaatgtagat	ttccgcc			2017

<210> 4501
 <211> 1790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1610)...(942)
 <223> similar to gil098569 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4501

tttttttttt	ttgcatgtaa	ctttttttatt	gaggctctaa	taagtgcatt	gtaacttgct	60
tgatatttgt	aggcagtcag	tttagtttagc	tgaacgttaa	tacagttatg	gattaagtgc	120
aaacaatata	cattcacagc	ttgactagcg	aggctacatc	acaatttata	aagtgccaga	180
ttagtgctaa	ttgtcattca	gcttgatttt	tcacctcagg	gaagggaaaa	caaaaaagta	240
agggacctcc	tccctctagg	gaacaaaaaa	cattttccta	aaccaatcag	tcatgagggc	300
aaagactact	tttccttcaa	tcccactaat	tagaacacca	tccttttatt	gtcaatactg	360
tactgacttt	caatcttgat	aaagaagata	gcctgaaaac	gtagaatatt	tccagctact	420
tccataaatt	gctcccctgt	gcagacgtaa	ccatatctgg	tctccctgga	agagctgaag	480
aattgcatga	ttgctagcag	tttcatgggc	tggagcacca	tcattggcat	aggctgatac	540
caagacctct	tcattcttca	tgaggttgac	atacagtggc	acattcactg	ccagcttttag	600
catgtgaaaa	atgaaaacgt	aagtgccatt	cactgggcaa	ttaaactctac	caagctgaag	660
atcaaaagtt	tctcctaagt	tgttcagaag	aagatcaaac	acaatagggt	ggtctaaagt	720
tccagggggc	agattagagg	ttctggctgc	tgagaaggca	actcgcatct	gctgaggcag	780
agggtagacg	tgtactggca	gtatgggtgg	tgctggattt	gtcactggca	catccacagg	840
ggatcatgcta	cgggagtgct	cttgtccaga	gtcaccactg	ttaaagggtt	cgttgtctct	900
ttctgggctg	ctcacctgag	agaatcact	ccaccctgct	ctogaatttg	ctcgtggacc	960
accagatgtc	cctcctcgct	tataacactg	ctggaaatta	tccctttggg	aataagggtgc	1020
tccagaatac	tctctagctt	ggaactgcag	ctggctataa	tttccatttg	aaattgaagg	1080
gagtcctcta	taagtatcaa	aacctttata	accaccaggg	gaccgatagg	aattgggttat	1140
taatctccca	ccacgagtac	atcctctaac	agatccccgg	ctattgacaa	atggctgagt	1200
aggctctggga	aatacattcg	tctgtgctgg	gtaaaaggca	aggctaccat	tgcttacttg	1260
aatagttcca	tcaggatgat	aatttgacgt	ctcttgagaa	tggacagttt	gttctacatg	1320
tatagatggc	agttggcact	ggggtggtgt	ttgtgtactt	gctgtggtta	aactttgatt	1380
gtagccagggt	gaataagggg	attcttttat	ttcttggtct	ttcgtggag	gcagaggtgc	1440
attaacgtta	aatactgtct	gcatggcttg	aaagggtgct	gtgttaatgg	ttactgaact	1500
actacttgct	ggaggtgact	ggaagccctg	ttcagagccc	tttgccatgg	gaggatttg	1560
agaagctagt	gaagacggtt	gcttgccctg	gggaattgct	gcctggggag	gagaaatgca	1620
gcatcagcca	atcacctgcc	atataacaag	cagttaaact	actctaaaac	ccaaactggc	1680
ataagtcagc	aagttcttta	ggatgacatt	tggacacagg	aatgcaaaaag	aatagctttt	1740
gcttacaatt	tcaaactctca	attgctgagg	atgcatacca	gtatttgctt		1790

<210> 4502
 <211> 1543
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1532)...(1351)
 <223> similar to gi5006445 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 4502
tttttttttt ttaactttaa aactgccgtc ttctgcttta ttgacaggta aattgttcaa    60
aaatgttctc acaattcaat aattaattac aaagactgag acttacatta aaaaagtaaa    120
aaccagaacc cccaggtgc ccatccagca gaaggccag gagggcagtg ggggtggcagg    180
gctaggcggt gctgggccac tcagtgccga cttggggaag tgcacgtcct gaacagcctt    240
gccaa gcagc cgaccggtgg gaggacagg gaagcctggc ccaagctgtg gacaagctgt    300
gtctgccgcc acagttaatc acaagcctct gacgacacag ggccacagag ctgggtcactc    360
aacatctggt acaaagggtg aggtgaaatc cacgcgcagg ggattgtgtg gccgtggggcc    420
ggggccagtg tgcaggagtg tgttgggtgg gtctacgtga tcatacgggc tactaatcac    480
gggggctccc atgcgggggc aggactggtg gggggggggg cgggccaggg cggggcgggg    540
tggggtatcc cagtggctgc ttcgtgggcg ccctggggct ctgacttccc tcagcccagc    600
aggccacagg ggctgcctgc accacgacac tcgtgtgttt tatggcagga ggcagaagcc    660
gtggaagcga atggaaaaca gcacagctga cttcacagta gtagatactg gtgacacttc    720
atggctgcga cccagaatga acttaacgca cacagggacg cagggtgtca ctggtcctgg    780
gcctttgtcc atgactaggt ggtcagcagg acttctgcag ctgactgtgc aatggctaaa    840
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ttggacaaca ctggagggcc cgctcagtct tggcactgac gctggaggcc atctccagct   1320
ccctggcccc tgtggcgagc tggcggttc aggtgtcaca ggccggctgc tccaggcctt   1380
cgagggggag ctggctcctg tggggggagt tggggctcgg tgggccgctg ggggttgagc   1440
tattcgatgg agttgagtgt ttggtggagt ccgaatcagg ctctttgtca aagtcctggt   1500
ctggatcaga catacttctc agaggcacag tgcacgctac gct                      1543

```

```

<210> 4503
<211> 2636
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2627)...(2265)
<223> similar to gi57527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4503
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taattcacia aggatgaaaa cgcaagacat taatctcact gtacatacaa tattacaata    180
aactcgatta gctgtagact aataaaacat ttaagacttc acacacacac acacacacac    240
acacacacac acacacagct accttgaaac aagaaacaca ggacaatttt aatctttgat    300
atatgttcat gaacaccaag aacaagaaca tctactgattt gagtctaatt gttttcctgg    360
gtatacaatc actaaataag caagatctaa agcatactgt attattaagg acatctttag    420
gcaaatataa acattctgga tttagggctt tttctcccca cccgaaaaca atctgcttta    480
gctatcaagt agtttggttt gttatcaatt taacacgctc acaacaacaa atacagactt    540
tctaccacaa aattcacggt gagaggtttt tagacagatc atacaaaaaa atacttgttc    600

```

```

ccaaggaagg caatctgtaa attataaatg caaccctaag aaaaaaaaaat cctgggcaca 660
aatcactcgc tttcaaatat tgatggagaa ataaaaagtg tacgttgtgg gtggagaaat 720
gttggcatgg aagagaggag aaaaggatg aaatgaggaa agtggtattt gccacaggaa 780
atattggatt cagttgattt ttaaaaatga ggtataacag tatgccagta aatgaaaaaa 840
caaaaaaatt agaaaccaa atgcacattt ccaatggaaa aatctctaaa cctcttatag 900
ttttattaga catttcatgt acagaagtta atctagaaaa atacatttta aaaatcttca 960
acagaccatg ctccctgtaa caaaaccttt ccaaaccttg tgttttatta tacaaagcaa 1020
tctacattag taggtaaaaa gaaattctca aatttagcaa tgatcatttt catccaacat 1080
ccatctaatt tacagatggg tttccactat tcatactgga attagaattt ctgtaataaa 1140
tttttttcta atgttttctg gtacatatta aataacccaa aagggttcctc ttgtagtgc 1200
tgtgccattt agcaagtcta ttcagttatt ttcagttacc attctcatta cagtgtattg 1260
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gggttagaat gtactctgag actatacaac acaattatat acacaagcta aaggacatta 1440
agtcttttag ctatatattac ataaaaataat gtgtgtttcc acaggggcat accaataact 1500
cagtatggta ctagatataa ttaggattgt tagctacaat tcagtatagc aagacagccc 1560
taaaatgccc tgaactgact tccgctaact aaaactccag tatatcacag tgttttaagt 1620
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ttaagactgc cactgcatgc agaaaccccg aaaaagaaat acacaggttt caaaatggat 1800
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tggcaactgt ctgattaggt ccttaacagc agcgactcgc tgtcttggtt cttgcttaat 2520
tgcattaaca aaatcattaa aatgattaaa tgtaaaaaga ggttctggta attctcgaaa 2580
aaacattttg agggctccag taatgacatg aatatcttcc catttactgt cattcc 2636

```

<210> 4504

<211> 2593

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2592)...(1037)

<223> similar to gi3721653 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4504

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atgtgttatc tgtgggtaag gtagagcagg aactctaata caaggggtggg ggagatcagt 120
tggttccttc acagaaaata agcctgttgt gtgggcatct tgcttgctg tagatctttg 180

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ttcccagttc	aggaggtttt	tattcagtg	ttgcttcatt	tactggaaaa	gttcaactggg	240
cccacctgtc	aactccttcc	cccacagctt	ccagctcagc	agcaaactgt	agggaaacaga	300
tttactcccc	agttccttct	gtaaataatg	ctttaagaac	agcattcctt	ttggacaata	360
tgatcatagac	ccaattttta	atactcccaa	gtcagatata	taactagaga	gtttaggaaa	420
tggtttggat	gatcaaactt	ttcccttcag	tacacaattt	aatttacgca	gaagagcatc	480
ggagacattt	gtctcataga	tatgattgac	atgagtata	ggctaaaact	aaaatttttag	540
tggtttgtgg	agtggctaga	aaacatgaat	tgtaagcagt	ttttcagaat	ttaaaaaatct	600
cgttagtttg	aacagtagaa	gatgtaaata	agcatagaga	ctgttggcaa	gttatgttta	660
tcacaaaaca	aagaagaagg	cacagagggg	ccctttgacc	cttgaacttg	tggttactaa	720
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acaggattga	tttatttggt	aactaagttt	acacattata	tgtctcaata	taaaacaaaa	900
gctatggctt	tagagttaa	cagggttaaa	aaaaaaatag	gaggaaaggc	aaaaacaaat	960
gtaagaatag	tttttaatcc	attttctcac	aagcagtgca	cagtgggccg	gcaggtactt	1020
aagtacctta	tcctaatacct	ggatgtgctc	atacaggctg	tcaatttggt	tccgaaagta	1080
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gggtgtgtca	cagatcacca	tggcgatatc	agccttggtg	acaatatgta	cgatggcttc	2580
tggtcccacg	aaa					2593

<210> 4505

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (39)...(576)

<223> similar to gil354475 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters


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<400> 4505
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cggggctgct gcctagagtg atgtgccgcc tgcaggacca gggcctcatc ctgtaccacc 180
agcaccagca cagctgctgt gagtccccta cccgcctggc ccaacagagc cacatggacg 240
cttttgagag aagtttctgc attttccgcc taccacaacc tccaggggct gctgtggggg 300
gatccacgag gccctgccc tccctggaag ccgtgagagt ggacttggtg gttgcacccg 360
tcagccagtt ccctttcgcc ctgctcgggt ggactggctc caagcttttc cagcgggagc 420
tgcgccgctt cagccggaag gagaagggcc tgtggctgaa cagccatggg ctgtttgacc 480
cggagcagaa gacatttttc caagcggctt cagaggaaga catcttcaga cacctgggcc 540
ttgagtacct tcctccagag cagagaaacg cctgagcctg cctgtgtccc caactccac 600
tcaggaaatt gggctgcccc caacctggcc actgaatgtc tccaggcaga tatgctgcc 660
cctgaccccc accttcaccc ctccccgcc aggcctggct ctttcggagg tcaattgtgc 720
ctgcaggatc agttgagccc ctgctggtgt gctgcacggg gtgatgaggt atgagccctc 780
aag 783

```

```

<210> 4506
<211> 1834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(839)
<223> similar to gi3747107 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4506
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cttgtgatca accaggagg aaacatggtt actgctcgcc aggaacctcg cctggctcctg 180
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gagatagagg gcagggactg tggcgaggcc accgcccagt ggataaccag ctctcctgaag 360
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atcctttctg aggcgtcgct ggcggatctc aactccaggc tagagaagaa agttaaagca 540
accaacttca ggcccaatat tgtaatttca ggaatgcgat tctatgcaga ggattcttgg 600
gatgagcttc ttattggtga cgtggaactg aaaaggggtg tggcttggtc cagatgcatt 660
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agtgcaaaaa gtaaagaaat atagtctcaa taacttagta ggacttcagt aagtcactta 1080
aatgacaaga caggattctg aaaactcccc gtttaactga ttatggaata gttctttctc 1140

```


gaagtggttt	ccgttgcaag	ttgtgctccc	ccacaagagg	aagtactggg	caatgaacac	1560
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gagaaaactc	tgcctattca	ggctcaaaagt	cagggcagca	gaacaccct	gatggctgaa	1680
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cagactgtta	caaattggcca	ggatagccct	gccagccttt	tgaacatttc	tgctggtagt	1800
gatgatagt	tatttgattc	ttcttctgat	atggaaaaat	tcactgaaat	tataaaacag	1860
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ttaaaccaat	aatttgcct	cctttcattt	cttgcccttc	atTTTTggt	gctgcttaaa	5160
caggttgcc	aattagcagc	ttttgggtga	ttttgtaaaa	tggtatatca	agatttcaag	5220
actgtgtaca	ttttaaat	tttccaaaga	tagtgacagg	agagaactgg	aacaaattta	5280
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<210> 4508

<211> 1157

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (19)...(837)

<223> similar to gi4097497 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4508

gcgggtggaat	tcggggaaga	ctctaggaat	aatgaattgc	agaacagtgc	caggtgttcc	60
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gggaacaagt	gcaagcaaag	tttccacatg	gtgacgtggc	acgtgctgaa	acctcacaag	180
tctgacagtg	gagacagttt	ccatcattcc	agcctttttg	agaccagag	gcagctccat	240
gaagaaagac	cttataaatg	tggttaactgt	gggaagagtt	tcaaacaacg	ctctgacctc	300

ttagacacc	agagaatcca	cacaggtgag	aaaccctatg	gctgccaaaga	atgtgggaaa	360
agcttcagcc	agagtgtctgc	cctgaccaag	caccagagga	cacacacagg	cgagaagccg	420
tacacctgtc	tgaaatgtgg	ggagcgcttc	aggcagaatt	cacacctaaa	tcgtcatcaa	480
agtaccacaca	gtagagacaa	acatttttaa	tgtgaggaat	gcggggaaac	ctgtcatatt	540
tccaaccttt	ttagacatca	gagactacat	aaaggggaaa	gaccctataa	gtgtgaagaa	600
tgcgagaaga	gcttcaaaca	gcgctctgac	ctctttaaac	accacagaat	ccacactggg	660
gagaagccct	atggtatgttc	cgtctgtggg	aaacgcttca	atcagagtgc	aaccttcatt	720
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aaaatacaaa	aatgagccgg	gcatggtggt	gcatgcctgt	aagcccagct	attcggggagg	1020
ctgaggtagg	agaatcactt	gaaccacagga	ggcggaagtt	gcagtgagct	gagatcatgc	1080
cactgcactc	cagcctgggc	aacagagcga	gactccatct	caaaaaagaa	ataaagtgct	1140
gtcatttttga	taagtta					1157

```
<210> 4509
<211> 3149
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2705)...(2271)
<223> similar to gi4249733 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

ctaaagcaac	aagtattgtg	aaattttggg	acaaggatta	acttgatgct	taaagtaacc	1380
cccaacagta	actagggggc	cacattccat	cagtgaaaact	ggaaagattg	gtgtggctga	1440
gaatcagatg	agcagaggca	cctttagaag	aaataatgtg	gtagtattta	tttagggaga	1500
gacagatgtg	ttgccatgtt	acttagtcat	actagagagc	cagccaagtt	tgaataatga	1560
aggtgcagac	gtgtttgtct	cttcactgac	aagctgtctg	aacaaggagc	caggaactgt	1620
cgggtcacca	gctgtggagc	gtgccggggg	gacaacctgc	cattggatgt	agagaaaagt	1680
gccttagagt	tggcctgagc	cctcctgccc	actcgccctc	cgcgcgacgc	cactcggagt	1740
ccacacggca	cacacaagcg	gagctgagaa	gcacgatggc	tctagtcaga	ggactttgct	1800
gtcggttccag	atttgaagag	gacacggaac	agcatgagcc	tttgtgacaa	aactagaatt	1860
tggaaatgag	gactgtcttt	ggaaaagggg	agacacaggc	acttctctcc	acagcctgct	1920
aacctaattgt	gggcagaact	gaaagatcac	tgcatgggaa	actgttctgg	aagaggctgc	1980
aacatagccc	atgcttaggg	actggatggt	ttttgcaaga	gctttttttt	tttttaaact	2040
accatctccc	aacttttaaa	gccagatact	tgacagggat	tttaaatttt	agggggttca	2100
aggaagggga	atacggaaag	gatccccctg	taatatggg	tcaaacaaaa	aagcaaacac	2160
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tg gatcaatg	agggcttcca	ggtggtcagt	cactttctca	attctggagt	ctggcttgct	2580
ccggccactc	ttcacctcgt	cacccttggc	tgtcagaaca	atgttgaggt	aacgcagatc	2640
ataaagcagc	tgcagcgccc	ggttctgggt	gactggaaat	gcaccttctt	tctgcaaatg	2700
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caagtttttg	ttgagtttca	gcttgctatt	tcagaagcag	atggttttaa	tgctcatatg	2820
gccagtttaa	tctcacggca	acaaaacaaa	tttttgttag	aaacttgacc	ttaaaattaa	2880
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gttttgtttg	tttgtttgtt	ttgagataga	gtctcgccct	gttgcccagg	ctggagtgc	3120
gtgacacaat	ctgggctcac	tctcgtgcc				3149

```
<210> 4510
<211> 2946
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (214)...(1786)
<223> similar to gi4929551 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

ccagggagca acatgagcaa aaataggagt gtgtcagagt ttggtgtatt aqaqqaactg 60

ccagttgttc	atactggcta	ggcagggcct	tacatttgag	gggagaaggg	tgagagattg	120
agctgggttg	aggaggacat	gaaggccttt	gggtgccatg	atgggaggtg	gtggaaggtt	180
ttgacctgtc	caccttcctg	tttcctcctt	gaagctgagg	catacgtcag	tgggatgctc	240
ttttgcctgg	gtatatttct	ctccttttac	ctgctgaccg	tcctcctggc	ctgctgggag	300
aactggaggc	agaagaagaa	gacctgctg	gtggccattg	accgagcctg	cccagaaaagc	360
ggtcacccctc	gagtcctggc	tgattctttt	cctggcagtt	ccccttatga	gggttacaaac	420
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ggggacctct	cttacggtta	ccagggccgc	tcctttgaac	ctgtaggtag	tcggccccga	540
gtggactcca	tgagctctgt	ggaggaggat	gactacgaca	cattgaccga	catcgattcc	600
gacaagaatg	tcattcgcac	caagcaatac	ctctatgtgg	ctgacctggc	acggaaggac	660
aagcgtgttc	tgcggaaaaa	gtaccagatc	tacttctgga	acattgccac	cattgctgtc	720
ttctatgccc	ttcctgtggt	gcagctgggtg	atcacctacc	agacggtggt	gaatgtcaca	780
gggaatcagg	acatctgcta	ctacaacttc	ctctgcgcc	acccactggg	caatctcagc	840
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gacacatcgt	tcatgtacat	gatcgccgga	ctctgcatgc	tgaagctcta	ccagaagcgg	1140
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tttccggtca	agtctttaan	gcaagttctg	tgttaagtca	tgcacacaca	taccctatga	2940
aacctt						2946

<210> 4511
<211> 1258
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (39)...(949)

<223> similar to gi56651 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4511

ttgaacagtt	gggaaaggag	tctgggtttc	accagaaagc	tctccagagg	gcccagaaag	60
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ctggaggtgt	tttgcgagac	aacttgaatt	ttgagaaaca	aaaatatctt	aaatttctgg	180
atcagctttc	tcagaaaatg	aagttggacc	agatggctgc	cgaacttggc	tttgacatgc	240
ggctggacgt	ggttttagct	cgaacagagc	agctggttcg	tcttgagagc	aatgcagtca	300
ttgagaacaa	gaccattgcc	cacaatttgc	agagaaagct	aaagacacag	aaagagagac	360
tggagagcaa	agaattacac	atgagcctcc	tccggcagaa	aatagcccag	ctggaggagg	420
agaagcaggc	acgcacggcc	ttggtggttg	agagggacaa	cgcgcattct	accatcagga	480
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ctaaagccat	tgaagatcta	aacaaatcca	gagaccaact	ggagaagatg	aaggagaaag	660
ctgagaaaaa	gctcatgtct	gtcaagtcag	aactggatac	cacagaacat	gaggctaagg	720
agaataaaga	aagggccaga	aacatgatag	aagtggtaac	cagtgaaatg	aagacactaa	780
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cactgtatct	cttgagagag	gtggccataa	gacatggcac	acaattccca	atttcacaaa	1080
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agaatgcata	acttgcaaaa	acgatctcaa	aagtgtcagc	cttagataaa	cgttcagcat	1200
taaaaacgcc	tattatttca	tttactagca	ttttaggatc	cagaagaatt	ccaccaga	1258

<210> 4512

<211> 2130

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (27)...(789)

<223> similar to gil927192 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4512

cctcgccgca	gtgggcccgc	ccgctggccc	gtttccggtc	cggtgggtac	aagatgacgg	60
agccggggcg	ctctcccag	gacccttggg	tcaaggtgga	gtatgcctac	agcgacaaca	120
gcctggaccc	cgggcttttt	gtagaaagca	cccgaaggg	gagtgtagt	tccagagcta	180
atagcatcgg	ttccaccagt	gcctcttctg	tccccaacac	agatgatgag	gacagtgatt	240

accaccagga	ggcctacaag	gagtcctaca	aagaccggcg	gcggcgcgca	cacactcagg	300
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aggtgtccac	gttacgcaag	gatgtcaccg	ccctaaagat	catgaaagtg	aactatgagc	540
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gtttctactt	ggtgtttggt	ttttcccagc	cccattttat	cttcagcgga	gccgcggtgt	960
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gccttccccc	cactccatgg	aagtccttgg	gatgggcgtc	tgctctggac	accccaaaga	1080
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attaaattat	aataaatatt	gccaaatgct	ttccttttag	cattggttcc	aatgtctaaa	1920
tggttaacct	caagctactg	caatttagac	aatgaaatgg	ggctggggtc	tacccccagc	1980
caccagccct	catcctctct	acccagtgtc	ctgggggttat	gcctggctcc	tgactgctct	2040
gcttaaaaggt	gaaagtagca	ggaacaacaa	caaaagccaa	ccaaaaacaa	ggtagccagt	2100
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<210> 4513

<211> 1341

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1342)...(262)

<223> similar to gi5052351 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4513

ttttcacagg	gagcattaaa	ttattattcc	atacagccct	ggccctggcc	cttcttgagg	60
gagtgggggt	tgtgggggtg	tgcccagcag	ggatcctgcc	agatgatgtc	cacatgagaa	120
ggcagggtgc	caacagcttc	agcttcaccc	agtgcctccc	agacaaataa	tgacaagtcc	180
agggctcttc	gatgtgtcag	gccagcactc	cccttgctga	tgggaaaacc	ggggctcggc	240
cagccccact	gcatccccct	acatgatgat	acgaggctct	ggcactgact	cgccaataga	300

cttgtggggc	agcacgctgg	ctccgttgag	gtagagctca	tcattaacta	tgacgtcctc	360
acccagcact	gtcacgttct	ccatgcgtac	ccactgaccc	acgcggcagc	gccagcccac	420
aatgcaggac	tcaagccagg	aatgggaacg	gatccgggca	tcccgcagca	ccgtgcaccg	480
ccggatacac	acaccatctt	cgaccaccac	gccagggtccc	aggctcacat	tggggccaat	540
gctgcagttc	tggccgatgc	gggcacttgg	gtccaccagc	acgttgccca	caatgccagg	600
gcctgagcac	agccgctcag	gctgcttctg	cctcagtgc	tgacaggaaga	ggcacatgcc	660
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agctgtcccc	aaaggtcctt	cttcatggga	catggagatt	cggattccca	gcctctgctc	1140
ctgtgccttc	atttccttct	ccagcacctg	cgacatgtag	ctcacggcca	ggatcacgtg	1200
gtccacgcct	gccgcggcta	gcgcctccac	ttggtgcagc	aagatgggct	tattgcagaa	1260
gtccaccagt	ggcttcgggg	tgtcagcgt	cagcggccgt	agccgcgtcc	catagcccc	1320
cactaagatc	agtgccttca	t				1341

<210> 4514
 <211> 428
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(79)
 <223> similar to gi5441325 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4514		
ggaattcgag	cgtgtgactg cggaagctgt gaagccacgg gagacctcgg agcctagagc 60	
agcagctcag	cgcttctgtg agaaattccc ttccctttga agttttttgc cctttatttg 120	
catccttaaa	gcagttcgct tgttttccct ccttggaaaa attaatatg atagtattgg 180	
cttatttatg	atcaccaaga cttgtattcc cttagcatag cttacagtat aagttcacac 240	
ttagctttga	gcaccagcac caggaagaca gctttttaaa attacttact tacgtacat 300	
cttgttccaa	aaaagatttg tgggtgtaca aaagctatat agaatacaga agatgaaaaa 360	
ggaattgagt	gtagccagag ggtggaagca gccacaggtgt cccatcaaca gataaatgga 420	
taaacaaa		428

<210> 4515
 <211> 1218
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1215)...(498)
 <223> similar to gi3294180 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4515
 tttttttttt ttggtacacg cactggccttg tttattagaa aaagtcttag agactcagta 60
 aggcacgaag tccaggaagt gggcaggggc ccctggggga cgtgaccagg aacaccaggg 120
 cttcagtgcc ggatgcccc a ctgtggtggg agttccccgc tctctccagc agccccgctc 180
 ccgtggagcc tgaggacaag ggagcccttt catccgagat gctgaatatg ggcaacaggg 240
 aggaggggaa ggaagaggca gctccaccgt gtgggtgtgg cgggggggatg gggctctgca 300
 ggagcctgat gtcctcggga ccctgaaggc actacgacta gaaggcccgg ctgaggggca 360
 ggtcctggag ctggggcagg ggtgggggct cagcctggct gattggtgtg gggagggggc 420
 aggttggtg tctactgagcc gagaggcacc aggtggcagg aggcaccaga tggcaggctg 480
 tgaggctgcc tcagctgaag tcgcggttgc gcaggaggag tggggctacc aggggtccaca 540
 ggtagaggag cagccctgcc cagctggcac agatcttcac ccacacggcg gtccacgtgc 600
 tgatcatctt ccgggtctca ccgggcttgt accagttggt gagcgtcatc atgacgtgca 660
 gtgaggccag caccaggcag aagtgggaaga aggagtagct gtaggtgacg ccgtcctgct 720
 cgttgtcaaa ggcccggccc tcacaggctg ccacctgctg ctgctgctgc tgtgtggcgt 780
 ctagcatagg tgggcaactcc tcgggtctgca tcaggctgtt cacctgccgg tggctctgagg 840
 agcgagact gatgaagagg gtgcacagga ggaagatgat gagggcccaca atgctcgggg 900
 catcccacca ctgggtctca tagccctcgg ggccctgccac aactgtctcg ttgcccagct 960
 gggttggcaa atgggggttg catttctgtt cagggaatac ggatagggct gaccaggtga 1020
 caaacatggt gtagagggtg atgaccgagg cctgcagcag acccgagttg ggctgggcgt 1080
 cctggacctt gggcaggaca gcagcgatgg acacgcagac acagaagggtg aggttgaggc 1140
 tgataaagac cttgccctcg tggcagccgc tgggctcagt gtagtacatg aacatcagcg 1200
 ccacgggaat tccagcac 1218

<210> 4516
 <211> 1873
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (297)...(1534)
 <223> similar to gil552350 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4516
 cccacgcgtc cgctgtcttc agcctcccaa attgctgaga ttatatggca tgagccaccg 60
 cgccccgcct gagctcatca gttctgacac acttaagtag taaattgttc ctacagttcc 120
 ttgaagctca tcttctcaca gagaaggact gtatttaact tcgaggctta tgaacattta 180
 aattaccaag gctttcctcc atcacaggga ggaacaaccg tctctagtct taatataaat 240
 atttttatga gaattccaaa agagaacaag tagattttatc tgcatttttt gtgtaataca 300
 caggacagtt ttggcatgtg actgacttac acttagacct tacttaccac atcacagatg 360
 accacacaaa agtgtgtgct tcatctaaag gtgcaaatgc ctccaaccct ggcccttttg 420

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gagatgttct gtgtgattct ccatatcaac ttattttgtc agcatttgat tttattaaaa 480
attctggaca agaagcatct ttcattgatat ggacagggga tagccacact catgttcctg 540
tacctgaact ctcaacagac actgtttataa atgtgatcac taatatgaca accaccatcc 600
agagtctctt tccaaatctc cagggtttcc ctgcgctggg taatcatgac tattggccac 660
aggatcaact gtctgtagtc accagtaaaag tgtacaatgc agtagcaaac ctctggaaac 720
catggctaga tgaagaagct attagtactt taaggaaagg tggtttttat tcacagaaag 780
ttacaactaa tccaaacctt aggatcatca gtctaaacac aaacttgtag tacggcccaa 840
atataatgac actgaacaag actgacccag ccaaccagtt tgaatggcta gaaagtacat 900
tgaacaactc tcagcagaat aaggagaagg tgtatatcat agcacatgtt ccagtggggg 960
atctgccatc ttcacagaac atcacagcaa tgagagaata ctataatgag aaattgatag 1020
atatttttca aaaatacagt gatgtcattg caggacaatt ttatggacac actcacagag 1080
acagcattat ggttctttca gataaaaaag gaagtccagt aaattctttg tttgtggctc 1140
ctgctgttac accagtgaag agtggttttag aaaaacagac caacaatcct ggtatcagac 1200
tgtttcagta tgcctctcgt gattataaat tattggatat gttgcagtat tacttgaatc 1260
tgacagaggc gaatctaaag ggagagtcca tctggaagct ggagtatatc ctgacccaga 1320
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gtgtaacatg tgataagaca tgtaaggcct ttcagatttg tgcaattatg aatcttgata 1500
atatttccta tgcagattgc ctcaaacagc tttatataaa gcacaattac tagtatttca 1560
cagtttttgc taatagaaaa tgctgattct gattctgaga tcaatttgtg ggaattttac 1620
ataaatcttt gttaattact gagtgggcaa gtagacttcc tgtctttgct ttcttttttt 1680
ttttcttttt gatgccttaa tgtagatatc tttatcattc tgaattgtat tatatattta 1740
aagtgtcat taatagaagg atggatgtaa attggatgta aatattcagt ttatataatt 1800
atatctaatt tgtacccaag attgaacctg tcatttatac aataaagcga attctttatc 1860
tctaaaaaaa aaa 1873

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<210> 4517

<211> 1474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1475)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (232)...(650)

<223> similar to gi3116113 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4517

```

gcggnggaat tcggaaaatt ccaaagtgtc tccaatggtc tttgattttg aacatgcatg 60
gtaagagggtc aggaagaaaa gtaagtaaat aagtaaacag acctgatgtt ctctctcata 120
aagccaccct catccttact tgactttgac atctctatag ctcccttttt tcctagtaat 180
attgaaagga ttacccttgt tggccctagg tggttactgt gtgattttac tgttattaaa 240
tctattataa actgcttcat tattcctgac cttgactcta tctctccttt aatccttccg 300
tcgcccctctc agaaatccca tgctgttggc cccaggaaga tccgagagcg agccacagtc 360
ttgcagacgg tatttgaaaga ttacgtgcac tccagtgaga ggagggtctc ctgggcaaag 420

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aaagctctgc	agtccttcat	ccaagcctac	gccacctacc	ccagggagct	gaagcacatc	480
ttccacgtcc	gatccctcca	ccttgggcat	gtggcgaaga	gcttcggact	aagagatgcc	540
cccaggaatc	ttagtgccct	gactagaaag	aagaggaaag	cacacgtgaa	aaggcctgac	600
cttcataaga	agacccagag	taaacacagc	ctcgctgaaa	tcctacgttc	ggaatactca	660
agcggcatgg	aggccgacgt	cgccaagggtc	aaaaagcaaa	acgcacctgg	agagcctggt	720
ggccggcccc	tgcagcacag	tctgcagccg	acaccctgct	ttggccgtgg	gaaaacatta	780
aaatggagaa	aaacccaaaa	aggtgtacag	cgggacagca	agacttccca	gaaagttaa	840
aatctctctg	ggtcttcgag	tggaacctgg	aagccccggg	tggcagtgga	ttgatgtcca	900
gttcttgtca	gaggagcctt	gtgaaaaata	actgcgctt	tgctgaata	ccacgtcccc	960
aagaatcaga	ggggccacag	cccttctcct	ccatgggagg	ccctggagcc	tgatagaaat	1020
cagtgggtgtg	gggactgta	gagactagcc	agctcccagc	ggaaggggtc	tgtgtcttgt	1080
attgatccca	tcagtgcctg	gcactccctt	caccaggtg	ctgacgtgcc	ggggttgagc	1140
tggcaccocg	ggatgtgatg	taagaacgcc	ctgcgcgcca	gcctggaacg	ggcttgattg	1200
ctgcccttaa	ctgtgttctg	aagtttcaca	gcttggcttc	agcctatcag	cgcatatt	1260
ggcatgaatt	ttgtgaatta	gggtgttaaa	aactggaatt	gaatttgtac	aaaaagagaa	1320
tatatattatc	actaattatt	ttcttaattg	aggaatgtac	cgttaaaaag	caccactgca	1380
ctccagcctc	ggtgacggag	cgagactccg	tctcaaaaaa	caaacaaaca	aacaaacaaa	1440
acaaagcagg	tgtattgcgg	ccgctctaga	ggat			1474

<210> 4518

<211> 2958

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(461)

<223> similar to gi6016936 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4518

agtgactgaa	aagactgcgg	aagacaagtc	gagtagccat	gatgtgaaaa	cagacacttt	60
agctgaggac	aagcctggtc	caggtccatt	ttctgatcag	tctgaacctg	caataactac	120
tagtagtcc	gtggttttta	accattttct	catcccagga	gtatctcctg	gactcattta	180
cccatccatg	ttcctctccc	ctggtatggg	catggctctg	ccagccatgc	agcaggccag	240
acactcggaa	atagtaggtc	tggagagcca	gaagaggaag	aagaagaaga	caaaggggga	300
caaccccaac	tcccacccag	agcctgctcc	cagctgtgaa	agggagccca	gcggtgatga	360
gaactgtgcc	gaacccagtg	cccttttgcc	cgcagagaga	gaacatgggg	cacaggctgg	420
ggagggggca	ctcaaagact	ccaacaacga	caccaattag	aacttttttc	atttaagaaa	480
ttattgtgac	ttgtaagttt	cttatcccat	aaaggtttgg	tacttccctc	acttcacctc	540
cataagaacc	tgtgtttcca	taagtaagat	tacgtacctg	atttccctgtc	tgagaactat	600
ggtaacagat	gttaatagtt	gcagggtctc	accacttcat	tagataagtg	ttgtctacct	660
agtctaggag	gcacagaatt	ctcattctgt	tatccagttc	attccagcaa	tcatagttaa	720
tacagtactt	ggtgacacgc	cctacccctt	tctcttccaa	gtttccctact	cacttgagga	780
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caaagaggag	ctctttttct	gtgagctggg	ttgcacagga	agaatgtcac	agggaaccaa	900
aaagcacaga	aaaaggaagt	gctggtgcat	atttttgagt	taaaatatatt	ccctatttta	960
tcatgattac	taagtgaagta	gtatagacag	aagtatataa	ctaattggttg	aaaatacata	1020
tattcatttc	tttataaaaa	acaaaaacct	taccggtagt	aatataattt	cccccttggt	1080
ggtttttcag	acacctgcag	caagaagaaa	tactgactga	ctaggcatta	ttttctatac	1140

atccctctca	ccagtga	gattcctctt	gctgcgagaa	agctttaccc	accatgagtt	1200
attgctgtcg	acgggggtgg	ggcaaggacc	cgcgctccgt	agagctacac	gctgcttcac	1260
aagcacacgg	ctagcgctct	gctctcacct	ggttcgctta	cagatttctc	tagccattaa	1320
tttgctctc	tgtgtttaa	gagcaccagg	accgaatgga	ttttcacttc	aggctttcct	1380
tcaccaagaa	taaggttctt	tctggagcct	gcaagaagac	agttgcccaa	cactttgaca	1440
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taatacagct	atgaaaagtt	acttctccat	taatttctcc	attctgttta	tatcttacag	1560
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cgcagggacc	cttggaaatg	ttgcaagtgt	tactagtacc	agtttcactt	tttgttgtca	1860
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aagtctgaca	taactatttc	attttgcatt	atttatttat	gatgcttttt	tcattgtcct	1980
ttatacattt	gggattataa	attatgtaaa	tgttaaaatg	agcatctcaa	agaagtctgt	2040
taaatcatga	ctgaaaaaaa	tcaatcagat	gtatcttcaa	aaagtggagt	cccagtttta	2100
tgaatcagag	atataaacca	gaaattctat	aactgatcat	agaagaagaa	tccagtaatt	2160
gaacaaatcc	tatttaatga	catccttgta	gcatagatgg	tctataatgc	tgaccacaga	2220
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gaagcagaaa	gggttttttc	agctgttaaa	tcctaaaaat	caatataatt	tatttatgta	2340
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taaactctct	tcagcaaact	tgagcctttt	catctaattc	catgtcactc	acggccataa	2880
ctttccttga	ccattcttca	ccccatgtct	tacataataa	attgtggtct	tgatcctgga	2940
tttaaaaaca	aaaaaaaaa					2958

<210> 4519

<211> 1154

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (15)...(953)

<223> similar to gi2558501 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4519

actacagtgc	ggtggaattc	gctgagcgag	gcagcggcgg	cagcagcggg	gacgagctca	60
gggaggacga	tgagcccgtc	aagaagcggg	gacgcaaggg	ccggggccgg	ggtcccccg	120
cctcctctga	ctccgagccc	gaggccgagc	tggagagaga	ggccaagaaa	tcagcgaaga	180
agccgcagtc	ctcaagcaca	gagcccgcga	ggaaacctgg	ccagaaggag	aagagagtgc	240
ggcccagagga	gaagcaacaa	gccaaagccc	tgaaggtgga	gcggacccgg	aagcgggtccg	300
agggcttctc	gatggacagg	aaggtagaga	agaagaaaga	gccctccgtg	gaggagaagc	360

tgcagaagct	gcacagtgag	atcaagtttg	ccctaaaggt	cgacagcccg	gacgtgaaga	420
ggtgcctgaa	tgccctagag	gagctgggaa	ccctgcaggt	gacctctcag	atcctccaga	480
agaacacaga	cgtggtggcc	accttgaaga	agattcgccg	ttacaaagcg	aacaaggacg	540
taatggagaa	ggcagcagaa	gtctataccc	ggctcaagtc	gcggggtcctc	ggcccaaaga	600
tcgaggcgg	gcagaaagt	aacaaggctg	ggatggagaa	ggagaaggcc	gaggagaagc	660
tggccgggga	ggagctggcc	ggggaggagg	ccccccagga	gaaggcggag	gacaagccca	720
gcaccgatct	ctcagcccca	gtgaatggcg	aggccacatc	acagaagggg	gagagcgag	780
aggacaagga	gcacgaggag	ggtcgggact	cggaggaggg	gccaaggtgt	ggctcctctg	840
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cgagccaggc	ccagccccc	cccgagctca	ggctgccct	ctccttcccc	ggctcgagg	1020
agagcagagc	agagaactgt	ggggaacgct	gtgctgtttg	tatttgttcc	cttgggtttt	1080
tttttctg	ctaatttctg	tgattttcaa	ccaacatgaa	atgactataa	acggtttttt	1140
aatgaaaaaa	aaaa					1154

```
<210> 4520
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(128)
<223> similar to gi3012097 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<210> 4521
<211> 1888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(1799)
<223> similar to gi339804 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4521					
tttcgtgcgg	ctgctgcggc	tccggggcggc	tctgactctg	ctcgggggagg	ccccccgcgg	60
cccggcctcc	cgggggtccc	gggctcgcg	aggacgcaga	agggcagtg	agccaggtgg	120
gagaaggaga	agcacgaaga	cgggggtgaag	tggagacagc	tggagcaca	gggcccgtac	180
ttcgcacccc	catacgagcc	ccttcccgc	ggagtgcgtt	tcttctatga	aggaaggcct	240
gtgagattga	gcgtggcagc	ggaggagggtc	gccacttttt	atgggaggat	gttagatcat	300
gaatacacaa	caaaggagg	tttccggaag	aacttcttca	atgactggcg	aaaggaaatg	360
gcggtggaag	agagggaagt	catcaagagc	ctggacaagt	gtgacttcac	ggagatccac	420
agatactttg	tggacaaggc	cgcagcccgg	aaagtctga	gcagggagga	gaagcagaag	480
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tctcgggaaa	tgaagacgag	acagcgggcg	gtggccctgt	atttcatcga	taagctggca	960
ctgagagcag	gaaatgagaa	ggaggacggt	gaggcggccg	acaccgtggg	ctgctgttcc	1020
ctccgcgtgg	agcacgtcca	gctgcacccg	gaggccgatg	gctgccaca	cgtggtggaa	1080
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aggctgacca	cgaccagcct	gaacaagcac	ctccaggagc	tgatggacgg	gctgacggcc	1260
aaggtgttcc	ggacctacaa	cgctccatc	actctgcagg	agcagctgcg	ggccctgacg	1320
cgcgccgagg	acagcatagc	agctaagatc	ttatcctaca	accgagccaa	ccgagtcgtg	1380
gccattctct	gcaaccatca	gcgagcaacc	cccagtagct	tcgagaagtc	gatgcagaat	1440
ctccagacga	agatccaggc	aaagaaggag	caggtggctg	aggccagggc	agagctgagg	1500
agggcgaggg	ctgagcaca	agcccaagg	gatggcaagt	ccaggagtgt	cctggagaag	1560
aagaggcggc	tcttgagaa	gctgcaggag	cagctggcgc	agctgagtgt	gcaggccacg	1620
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acacagcggy	agaggtttgc	ctgggctctc	gccatggcag	gagaagactt	tgaattctaa	1800
cgacgagccg	tgttgaaact	tcttttgtat	gtgtgtgtgt	ttttttcact	attaaagcag	1860
tactggggaa	ttttgtacaa	aaaaaaaa				1888

```
<210> 4522
<211> 1607
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1608)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (446)...(1342)
<223> similar to gi2407788 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```


0948725 04100

```
<400> 4522
gcagtgcggt ggaattcctg gaagggaggg gggcagcagc cgccccctgg aggaagggac 60
cgggtctagc cccgcctgcg tgcgaggcgc cgcgccaggg tctgaggatg ctttttaccc 120
aacaagggcc aagcaggcgc ggggtgtcca ggagctgaag aaggctgcca agcggaccgt 180
gagcatcagc gagggcccgg acaccctagg cgatgggatg agggagagaa gggagactct 240
ggctctggcc cctgagccag agcccctgga gaaggaagct tgtgagaagt ggaagaggcc 300
cttcaggtct gcctcagcca cctccctgac gctgtccac tgtgtggatg tggatgaagg 360
gcttctggat ttttaagaaga ggagagggtca ctcaattggg ggagcccctg agcagcgata 420
ccagatcatc cctgtgtgtg tggctgcccg acttcctacc cgggctcagg atgtgtctga 480
tgcccacctc tctgagggtca atgctgttcg ttttgcccc aacagcagcc tcctggccac 540
tgagggggct gaccgcctga tccacctctg gaatgttgtg ggaagtcgcc tggaggccaa 600
ccagaccctg gagggagctg gtggcagcat caccagtgtg gactttgacc cctcgggcta 660
ccaggtttta gcagcaactt acaaccaggc tgcccagctc tggaaagggtg gggaggcaca 720
gtccaaggag aactgtctg gacacaagga taagggtgaca gctgccaaat tcaagctaac 780
gaggcaccag gcagtgactg ggagccgcga ccggacagtg aaggagtggg acctcggccg 840
tgctatttgc tccaggacca tcaatgtcct ttctactgt aatgacgtgg tgtgtgggga 900
ccatatcatc attagtggcc acaatgacca gaagatccgg ttctgggaca gcagggggcc 960
ccactgcacc cagggtcatcc ctgtgcaggg ccgggtcacc tcctgagcc tcagccacga 1020
ccaactgcac ctgctcagct gttcccgaga caacacactc aagggtcatcg acctgcgtgt 1080
cagcaacatc cgccagggtg tcaaggccga tggcttcaag tgtggttctg actggaccaa 1140
agctgtgttc agcccggaca gaagctatgc actggcaggc tcctgtgatg gggcccttta 1200
catctgggat gtggacaccg ggaaactgga gagcagacta cagggacccc attgcgctgc 1260
cgtcaacgcc gtggcctggt gctactccgg gagccacatg gtgagcgtgg accagggcag 1320
gaaggttgtg ctctggcagt agggccacga cctgcctgcc tgggctggag ctcttgcccg 1380
aagcctgaag ctctcctcgg cgccatgcag ggggtggggg tgggactgga gctggccttg 1440
ggattttaatg ggggaagaag cctggcagga cctggcctgt ttgtttaaaa atgaagtatg 1500
ggttggggga ttacgctagt ttttctttgt attttatct ctatctatct cctcactttt 1560
tctcccaaag tagaaaaaaa tgatatctga actgannaaa aaaaaaa 1607
```

```
<210> 4523
<211> 1369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(437)
<223> similar to gi5824631 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4523
ctaccatccc ccatgaggag gaaatcaaca caactgataa aagaagctga tgaaaaacat 60
cagagagaga gagagttttt attaaaagaa gcgacagaat cgaggcacia atacgaacia 120
atgaaacagc aagaagtaca actaaaacag cagctttctc tttatatgga taagtttgaa 180
gaattccaga ctaccatggc aaaaagcaat gaactgttta caaccttcag acaggaaatg 240
gaaaagatga caaagaaaaa taaaaaactg gaaaaagaaa caataatttg gcgtaccaa 300
```

tgggaaaaca	ataataaagc	acttctgcaa	atggctgaag	agaaaacagt	ccgtgataaa	360
gagtacaagg	cccttcaa	aaaactggaa	cggttagaga	agctgtgcag	ggctcttcaa	420
acagaaaagg	atgagctcaa	tgagaagggtg	gaagtcctga	aagagcaggt	atccatcaaa	480
gcggccatca	aagcggcgaa	cagggattta	gcaaacacctg	tgatgcaacc	ctgtactgcc	540
ctggattctc	acaaggagct	gaacacttcc	tcgaaaagag	ccctgggagc	gcacctggag	600
gctgagccca	agagtcagag	aagcgctgtg	caaaaagcccc	ccgtccccag	gctttgctcc	660
ggccaatcga	gtcggttgac	taagatgagg	tgtgatcact	gtattgagag	atataattttg	720
tgtataactt	tctctgttag	tagttaacta	ttggttttgt	ggtgaaaatt	ttcttacttt	780
ttctaccata	tctgtatttt	cttagaacct	actggactta	tgtggtacag	gaggctgctt	840
agcagttttg	aatagtttaa	tctataaatt	ttcctcagct	gtgttgacac	tcagcctcgt	900
tctccctcca	ctggaatgca	tgtgttcact	gccttgtcct	ttctctccct	gctccttgca	960
cattatcatc	ctaataaaaa	tttcaactgac	agggccgacc	attacaaggg	aactttgttc	1020
tgacgatggg	tccttgatgt	gaaaacaata	ttaatttaaa	cgtcttagcc	cccccccca	1080
taatattatt	cagaaaaaca	aaataccaag	gcgattagtt	ttgtctaata	acccatttaa	1140
atgccaaagta	aaaataaaac	tcctagtgtt	gggtcagaag	catatttgat	tgaaattagc	1200
tttttgaaaa	catttatatc	tcgggacaaa	ttgagatggc	cacatgccta	gaatcctaag	1260
tttcggcaga	atatgtatat	aaagatgtca	cttgtggaca	aaatagtaca	tagaggcaaa	1320
tcactagaca	aataagctta	gtgtttacgt	gactggaaca	gtcatcctg		1369

<210> 4524
 <211> 1098
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (306)...(63)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4524						
ggtttgccctg	ccgtcctcga	gatgaaattg	gcagttgggg	ctgattcaca	gaaacaccga	60
tttgtggctg	agcacgggtg	ctcacacctg	tcatcccagc	cctttgggag	gctgaggtgg	120
acagatcact	tgaggtcagg	agttcgagac	cggcctgacc	aacgcagcaa	aacccatctc	180
tactaaaaat	acaaaaatcg	gctgggtgtg	gtggcacaca	cctgtggtcc	cagctcctcg	240
ggagtctgag	gcagaagaat	cgcttgaacc	caagaggcag	aggttgcagt	gagccaaggt	300
tgcagtgaat	caagattgct	ccactgcact	ccagcctggg	caacagagta	actctccttc	360
tcaaataaat	aaataaataa	ataagaaaca	ctgatgtgtc	tgtcaccttc	taaagaaatg	420
aaatgctagg	aagtcctagc	cagagtgatc	aggcaagaat	aagccataaa	aggcatccaa	480
ataggaaaag	aagtcaaact	gtctctcttc	actgccgata	tgattctata	cctagaaaac	540
cctaaagact	ctgccaaaag	gtccttgga	ccgataaatg	acttaagtaa	agtttcagga	600
tagtaaatcc	atgtacaaaa	atcagcatct	ccaacacag	taacattcaa	gctgagcacc	660
aaatcaagaa	cgcaatccca	tttccaatag	ccacggaatg	aaatacctag	gaacacgtat	720
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gttgctcatc	tcagctgttg	ttcctacctc	aaatttcaag	tcctcaaca	aatataacag	900
aaccacttct	agaatgaacc	tttgagaag	ggaggaagca	gtgcattgta	taggaattgg	960
cattctatag	aaaaccacag	aaactggaaa	taatgaaggg	ttgtctcttg	gctctaaaat	1020
aatgtatata	cctaaatcat	ccccttatga	tactcatcct	ctaacagcaa	ttgaacttcg	1080
atacaatgag	tcattact					1098

<210> 4525
 <211> 1046
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (724)...(170)
 <223> similar to gi431321 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4525
 tttttttttt ttcaggcctc caggcggttta ttcagcccct tccctctgcc gccagctgct 60
 tgagtgaagc ccccaactcca tgaggagcct tgagaccct ccagtcctgt gctcagaggc 120
 tgagtctggg cccccacgc agagctggct gctgctcagc cctggctgcc tttaccact 180
 cgccgatgat ggtggcctcc agcttccgcg cctcaaccac ggaagcagga tcttctgggt 240
 gggaggctct gaggtcgagg tgggtgcgctc ccccttgat ggtgacggcg atgactgagg 300
 cactcaggtt cctccgaatc ccgccccctg cccaggggtc caggttcccg ttggagaaga 360
 tgatgttgct ggcggctcta agatcacccc cccagaagct ggtcagcagc cagtcgggcc 420
 ggggccacac gccccagggtg tccaggcagt accgctggcg gagctcgtca gtgaagggca 480
 ggtcggggaa catatcggtc acattgttgc tggcgaaggc caggttgatc tcggtgcagg 540
 cctggtagtc ccaggccctg gcgtcggggc cgggtccgca gccagtgggg tcagcacagc 600
 tgtggttagag ccggttagatg tcgtagcagt gctcgagacc cgaggcgttg tagaccagcc 660
 ctggggaggga gaggcgctgg ggccccaacg ccacacacag acacaccg cgctccggcc 720
 accaacctgt cccccctcgg aatggtcctg caggggatct ggggctctgg gatctgtagg 780
 tcccagttag gaaggccctc caggctacct gcttgagggt cggcggtgtc tgtgctgcca 840
 gccccgggcc tgactgttga gggccccccc gctctccacg gggcagggtg gggcctgctg 900
 ccctctgttg ccctccatgc tggggacccc aggggcccct tgggcagcac ccaccaagct 960
 gggcctggct acagccagtg ctgagagggt ccccagggac ggccccctgcc tcccaaaagg 1020
 gtttctggga aggtcgtgct gtccac 1046

<210> 4526
 <211> 5202
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5205)...(2901)
 <223> similar to gi1545807 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4526					
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ggtccagtttt	cccttatggg	agtccttaaa	agcccttggg	tcctggaggc	agtatcatgt	120
ggtggattctt	tggcagtcag	cagtcctgtgc	agcttttgca	ggtggatctg	ccgctgcagt	180
caccacccct	ctagacgtgg	caaagacaag	aattacgctg	gcaaaggctg	tgctccagca	240
actgctgatg	ggaatgtgct	ctctgtcctg	catggggctt	tgccgttcca	aggggctggc	300
agggattattt	gccaggtgtc	cttccccctc	gaaatggcca	gcccatacaag	tctggggagg	360
tttccatctt	tctggggggc	ttatgaccgc	aaacgcacag	cttgctgttg	gaagttggca	420
gaaagagtc	cttgaagcag	agacaagcct	cacctccact	tctgtcaaga	gaggggctg	480
cagtgcacaa	cctcttccgc	tgagcagctg	tctgaactat	aggccccagt	gctgaagacc	540
agttgtgcta	agataccggc	atggagattg	tgccatccgt	ggtataggct	ggctggtatg	600
aagtcaattg	cctgtatgcc	agagagctaa	gagaagaaaa	cggggtctgt	ggcggctact	660
tgaacaattt	cctcagaacc	tcttaataaa	taagtttggt	aatgctgagg	ccaggccttt	720
tagagctttt	atgtgatctg	tatctgatct	ttcatttcct	gacacctgat	ggtggattca	780
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cagctgcaac	tcaagtgtac	aggtggggcc	agctggcttc	gtgcaggagg	gcacgggtgg	1140
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aatgaacctt	tattaaagac	acttcaatgc	catttggttag	acacttcaat	atttttacatg	1500
gttttcaatg	tacactgtac	caaaaatttct	ataaataaat	aactttgtac	ataaaagtaa	1560
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agtccacttc ggtgttgacg tcactgcata cgacccggcc accgtgttcc atcttatgtg 3420
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aaatgctctg acccttcagt gattctgggt gggcacagggt ggctgtcaca aaggcctgca 4800
gcacccctgc aattagccac gggggcagcc acttcagctg gcagtcacac aggaagctgt 4860
cgctgctgat atggagctct ttaagattct tcatcttcac aaaggcatca aactggacag 4920
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ctgagaaggc gccgctcgtg tcctctattg tgcccgaat ctcgttatgg tccagatcca 5100
agactcgag gctcctgagt cccttgaaag caccctccgc aatgtggctg atggaattgt 5160
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<210> 4527

<211> 1214

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (49)...(891)

<223> similar to gi4263748 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4527

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gtgagggtaa taaatttcat caaagggaga gctccaaatc atcgccattt tcaggctttc 180
tttgaagaaa ttggcataga atatagtgtc ctctttttcc atactgaaat gaggtggctt 240
tcccagggcc aaatacttac tcacatTTTT gaaatgtatg aagaaataaa tcagtttctt 300
caccacaaga gcagtaattt agttgatggc tttgaaaata aagagtttaa aattcaccta 360

```

gcataccttg	cagatatttatt	caaacactta	aatgaactca	gtgcatctat	gcagaggact	420
gggatgaaca	cagtatcagc	tagagagaag	ttatctgctt	ttgttaggaa	gtttccattt	480
tggcaaaaac	gaattgagaa	aagaaatfff	accaatfftc	cttttcttga	agaaataatt	540
gtttcagata	atgaaggcat	attcattgca	gctgaaataa	cactgcatct	gcaacaattg	600
agcaacttct	tccatggata	tttttccatt	ggagatctta	atgaggcaag	taaatggata	660
ttggatccat	ttctttttta	tatcgatttt	gttgatgata	gttattttaat	gaaaaatgat	720
cttgctgaat	tacgagctag	tggccaaatc	ctaattggaat	ttgagacaat	gaagcttgag	780
gattttctggt	gtgcccatt	cacagcattt	ccaaacctgg	caaagacagc	tctagaaatc	840
cttatgccat	ttgcaactac	atacctttgt	gagttgggat	tttccatcac	ttttacattt	900
caaaacaaag	tcccagaagc	tgttttaatc	ctgagtgtatg	atatccgtgt	ggctattttca	960
aaaaaagtgc	cctcgtttct	cggacatcat	tgaacaaaag	ctacagctac	agcagaagtc	1020
actgtaagct	gataactttt	tttaattgaat	aattttcaatc	ttaatatcat	tgtaaaatta	1080
agctgttaatt	ctgtctcttt	catattttatg	atatactgaa	ttctatgtct	aaaaaactta	1140
agaacttttaa	ttttgaatga	ggcatgtgaa	aatatgtttt	gagaataaaa	acacagcaga	1200
aaagaaaaaa	aaaa					1214

```

<210> 4528
<211> 2359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)...(1517)
<223> similar to gi5689501 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4528						
cttaccttag	aaaaccaa	taaagaagaa	agagaacaag	acaactctga	atctccaaat	60
ggcagaacat	cacctctt	gtcccagaat	aatgaacaag	gctcaacctt	acgggatttg	120
ctgactacaa	cagctggaaa	gctacgtgtg	gggtctacag	atgctggcat	tgcctttgcc	180
ccagtatatt	caatgggagc	cccaagtagc	aaaagtggac	ggactatgcc	taacattctt	240
gatgacataa	ttgcttcagt	tgttgaaaac	aaaattccac	caagtaaaac	ctccaagata	300
aatgtaaaac	cagagcttaa	agaagagcct	gaagaaagca	taatatctgc	agtggatgaa	360
aataataaat	tatacagtga	tataccacat	tcttgatctt	gtgagaagca	tattttatgg	420
cttaaggatt	ataagaatag	cagtaattgg	aagcttttca	aagaatgttg	gaaacaagga	480
cagcctgcag	tggtttctgg	tgtgcataag	aaaatgaaca	ttagcctatg	gaaggcggaa	540
tcaattagtc	ttgatttttg	agaccaccaa	gctgatctcc	tgaactgcaa	agatagcatc	600
atttcaaagt	ccaatgttaa	ggaattctgg	gatggttttg	aagaagtttc	aaaacggcag	660
aaaaacaaga	gtggagaaac	agttgtttta	aaattgaaag	attggccttc	aggagaagac	720
ttcaagacta	tgatgccagc	aagatacgaa	gatcttttaa	aaagtctgcc	attgccagaa	780
tattgtaatc	cagaaggaaa	attcaatttg	gcctctcatt	tgccaggatt	ttttgtacgt	840
cctgatctag	gaccaggtt	gtgcagtgcc	tatgggtgtg	ttgctgctaa	agatcatgat	900
ataggaacaa	caaattctca	tattgaagtt	tctgatgttg	taaatatact	agtttatggt	960
ggcatagcaa	aaggaaatgg	cattctctca	aaagcaggaa	ttctcaagaa	atttgaggaa	1020
gaagatttgg	atgacatttt	aaggaaaaga	ttgaaggact	caagtgaat	acctggtgct	1080
ctgtggcata	tttatgctgg	gaaagatggt	gacaagataa	gggaatttct	tcaaaagatt	1140
tcaaaagaac	aaggccttga	agttctacca	gaacatgatc	caatacgtga	ccaaagttgg	1200
tatgtgaaca	aaaagctccg	tcaaaggctg	cttgaagaat	atggagtcag	aacctgtact	1260
cttattcagt	tccttggtga	tgctattggt	ttgccagcgg	gagcacttca	tcaggttcag	1320

aattttcaca	gctgtattca	ggtaactgaa	gatttttgtgt	ctccagaaca	tctttagtag	1380
tcattttcatt	taacacagga	actgagactt	ttgaaggaag	aaatcaatta	tgatgataaa	1440
ctacagggtta	aaaatatattt	gtatcatgca	gtcaaagaaa	tggtgagagc	cttgaagata	1500
cacgaggatg	aagtagacga	tatggaagaa	aattaagtgt	gatccagttt	gatattttta	1560
ggttggttgaa	ctgggattac	ttaaccttga	atgatgatat	gtatgcacac	tgactttaag	1620
cttcataaaa	ccatcagtgc	caagaaattc	tctttgtagt	aattacttgt	tactgacacc	1680
acagcagtat	agcatatgtc	acagctcctg	tgattcaatg	ttataaaaaca	agcagaattt	1740
taaaagcagc	actatatagc	tgttttgtat	tatagtgtat	atgatgtttg	tgaaaatgcc	1800
agatttaaaa	tgatgtattt	atttttggta	aaaaataaaa	aattctatgc	tatattgttg	1860
atcaagtgtta	aatgtgacct	tgtacagttt	actaaaatta	ctgatatttt	tcactacatt	1920
gagacagtta	ctgtgagaat	aggacacaaa	ctccagctat	tgcttgcac	tgaggaaattg	1980
ctgaatcgca	cagcagtcac	gtcataatca	gaaaattact	gccaaataat	tgtaaaattt	2040
gtaaagtata	aagtatataa	agtagatact	aaatacagac	acttcaatat	tttgttgaag	2100
ctattgactg	tacaattaaa	catttttcaa	aggtgttaatt	tattttaaata	tgtctcattt	2160
tggtaaaatt	tatgtgaact	tttaaagcta	aataattaaac	ttaatatgct	atgtaaatat	2220
atacatatat	acatttaaatg	atgtattttt	ttaaaacatt	ggcttgcttt	tgttaaagtg	2280
caagtgttac	atatggcttt	gtacattaaa	ggtgaaaggg	gttttacatt	ttccattaaa	2340
aggactttat	caaaaattg					2359

```

<210> 4529
<211> 1727
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1728)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (21)...(653)
<223> similar to gi3874846 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4529						
cgacccacgc	gtgcgccatg	tggatcccg	tctacctgca	ccgcgcctt	gttgtgcata	60
agacagcaga	gacgtgcaac	agcccgcct	gtggggccaa	ggacagcctc	atctttgggg	120
ccatcacctg	ctttacggga	tttctggcg	tggacacggg	ggcaggagcc	acgcgctggt	180
gccgcctgaa	gaccagcgg	gccgaccac	tggtgtgtgc	cgtgggcatg	ctgggctctg	240
ccatcttcat	ctgcctgac	ttcgtggctg	ccaagagcag	catcgtagga	gcctatatct	300
gtatcttctg	cggggagacg	ctgctgtttt	ctaactgggc	catcactgca	gacatcctca	360
tgtagctggt	catccccacg	cggcgcgcca	ctgccgtggc	cttgacagagc	ttcacctccc	420
acctgctggg	ggacgcgggg	agcccctacc	tcattggctt	tatctcagac	ctgatccgcc	480
agagcactaa	ggactccccg	ctctgggagt	tcctgagcct	gggctacggg	ctcatgctct	540
gccctttctg	cgtgggtcctg	ggcgccatgt	tcttctctgc	cactgcgctc	ttcttctgtca	600
gcgaccgcgc	cagggctgaa	cagcaggtga	accagctggc	gatgccgccc	gcatctgtga	660
aagtctgagg	tggtgccatt	gggacaatga	agaaccacac	ctccacctt	cgttctggga	720
ggtgtcctac	agcgtccggg	accggctggg	ctgccccaaa	gctttctgtg	tgatccacgg	780
ctaggcaccc	accctctctg	gccaggcct	gctgagtggc	cctggcatca	agaggaggct	840

```

gtgtcctcag ttaccctgga aggatgtgtg tgttggagcc acacggttgg acaggttccc 900
agccctaggt ttgggccgca gggcccttgg ggccaaggaa gaagacagcc ccaagtgggt 960
gtccggggag agcctggcct gccaccagct tatgtgatct tgggcaagtc cctgccctcc 1020
ctggaacgaa gggccagggg gctggacttt cccacacaac ttgctgggca aagcacgatc 1080
tgcagctttg aagactcaac agaccctgga ccatacggag agcaggtggc ccaggcctca 1140
gggcggcagt cccggttttg aggctcacgc gagggcctgg tatgcaggga ccactgctca 1200
gctgggcctc ggaccttggg gatattggac gcaacctggc aaatgaagct gggcgcccaa 1260
gtctctgggt actccctgga ggacactgtc tactgtctc gggttggctc ccagcctgga 1320
gggtccagat ggggactgtt ctgacaagct ggcatcacca ggggtgaagg ccctggctgc 1380
agctgtacac cacctgtgcc cccaggctca aggtctctgg caggtgcaca ccagcccaac 1440
tctgcagggc ttctctccct gccaccaccc cccaagccag gacccactc cttccccgag 1500
gctgagctga gccttttcca ggggcagggc ccaggagacc attcccagaa tccatggggc 1560
agtagccagg gctccggctg ctggagggaag cagctatcca caaagcttcc tgccccagag 1620
ctgaggctga ggccccggga gaggcgggtc ctacccaaac actggctgct ggcattccac 1680
caagtgaccc caggngccag gccttcgata acccacctcc catccag 1727

```

```

<210> 4530
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (856)...(156)
<223> similar to gi3171934 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4530
tttttttttt ttgagccaga gggaccattt ttattagatt ccagcaagac tactgtacat 60
gtttcatgca gattaaatat gtgtcttcac tgcccctggg aggggagcac tctcactgtc 120
agctccttca ttggtgtgtc aaggggtgag tgtcaagggg agctctcaat gtattccgta 180
tgggggggcag ttgggatcat gactcggggg agaggtgaga cagtaggtag ctgagggtcc 240
ctgggacctt gagtcttcag aggttcaggg actgcaggac cttggtcctt tgctggtact 300
ggcaccagag gatcttgatc cttcagaggc actgggacta taggaacttg attcttcaga 360
ggttcaggga ctatacgacc ttgattcttt ggaggctgta ggactgtggg gccttgatcc 420
ttaactagta ctgggagaat ggggtcttga ttcttcacgg actcggggac cacaggacct 480
tgattcttta caggtgccac aactgcagaa tcgtgaacct ttgcatgtc tgggactaca 540
acatcttgat ccttgactgg ccctgagacc actaaacctt gattctttac aggtcagag 600
accatggaac cttgattctt tatgggtgct gtggccatgg cactttcatc cttcggatgc 660
tctgggacca tgggatcttg atccttgata ggtgctgaga ccatgggacc ttcactcttg 720
acaggtgctg ggactatggg accttcaccc ttgacaggtg ctgggactat gggaccttga 780
tccttgacag gtgctgagac catgggacct tgatccttga cagatgctga gaccatggga 840
ccttcgtcct tgacagggtg tggga 865

```

```

<210> 4531
<211> 1534

```


<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1535)...(643)
 <223> similar to gil707274 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4531

tttttttttt	ttgtttacat	catatttttat	tttattacag	tcaataaata	tactttttata	60
tatgaaatca	ttatagaata	catattttta	ggcactaagt	ctcaaaaagt	aaggcacctg	120
ttatactttg	ctctctaatt	tgacacatta	aaacatgaga	ggtaaactct	ccaattttatt	180
ttgagtttgc	aagcttacaa	tttaatagga	ataaatcagg	tagcttcaga	aatcaactaa	240
gaaaattaac	aggctagagt	ctgaactaat	aatcttggac	atgggtttga	ttatcacttg	300
gtttattctg	attactcatt	taccttttca	tttatgaatc	taaactgaca	attccacctt	360
tagaggtata	atagagctat	taaccgatga	gacacatcta	ctcattctct	gtaactctgg	420
acatcgcatc	ttgctttaaa	atgcaaatca	gtcatgtctt	gagcctctta	ctgagcagtg	480
aatgtgtatc	cgtgcacatt	ccatttctct	ttctgctggg	attttctttg	gagtcagtg	540
tgctgtccct	aagcagttct	atgtgggctt	ctttcagcat	ctttgttttg	catggagtat	600
tctcagaggt	cacacttttcg	gttttggttc	ccatagcttc	ttctaaaact	gttagaatcc	660
tatcaagttg	gtccaccatg	aactttgcat	cttcttcagt	gaagcacata	ggtgggttta	720
ttttaagtac	atttctatga	ggtccatcgg	cactgagaag	cactcgtttt	tctttcatct	780
tgtagatgat	gtgctgagct	tcagctgtgg	caggggtcct	tttcagatgg	tccttacta	840
aatcaattcc	aataaaaagg	ccaatgcccc	taatatctcc	tatcaaagt	tgtttagcct	900
tctgtttttt	cagtaactca	gtgagataat	tcctactct	cttggcattt	ccttgaaggt	960
cttcattttt	aattatatcc	aggacagcca	aaccaacagc	acaagatact	ggatttcttc	1020
catacgtatt	aaaatattcc	atcccagagc	tgctgaaggc	ttctgcaatt	tctttggttg	1080
ttaccacaca	tgccaccggg	tggccgttgc	ccatcggttt	tcccattgtg	acgatgtctg	1140
gaacaaagtc	ttcaccatac	atctggaagc	tccagaaatg	tttcccaact	ctgccaaagc	1200
ccacttgaac	ttcatcagct	ataaacacac	cccctgcacc	gtgtacatat	tctgccactt	1260
tctggaagta	gcctgctgga	ggaattattt	gtccgccaca	actctgcatg	gattcagcaa	1320
taaaggcagc	aatcttctct	ccactgttat	gagcatcttc	aatgattttc	ttcacttcat	1380
ctgcataagc	actggctgag	tctgcatggt	cttctctata	ttttcctctg	taagtatctg	1440
gagttggtgc	cacatgtaca	aattcttttt	tgacatcttt	tcctttctga	aacttatatg	1500
ggctaattct	aattaaggat	gataggtgac	catg			1534

<210> 4532
 <211> 1979
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1825)...(1262)
 <223> similar to gi3064245 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4532					
tttttttttt	ttaacagcta	caattttattg	agcacttact	aggtctttaa	tatttgctaa	60
atacatcac	agtactcaca	atagccccag	gaaattatag	atgtatttaa	gttttggtatc	120
aatgagtaat	cgttagctga	gtagaaagct	cttttctacc	ctacaataag	ctcgacatta	180
aagactgaca	ttccaattaa	tataattaac	cctggactta	tagaactgtt	ttctcataat	240
aatgcacatc	tactgctaaa	tgactactct	caaagttggt	ttctttttca	tgttcaaaga	300
aaattacatt	tctttccttt	cacttttcca	atagaatact	cttcagttct	actctagaat	360
ctcttaggaa	attatttgaa	atagaaatca	atttaagccc	tataactaga	gctttttctc	420
ttgttgagct	gctttgcagg	gagaaaatgg	catacatata	caaaataata	ctctgctgaa	480
acacataaca	ctgactccca	agaatactgc	ttacttactc	tttgtcaaac	actgtttacat	540
gtaccaata	ttagatgtat	caggactccc	ttttcagtaa	ctatggttct	tggagtccctg	600
gataacttaa	aaaaatagag	acctgtctgg	ctaaagaaat	ttaaaagttc	tctaactctc	660
aaccagacac	cttgggaact	acaatatgga	tatgtcctac	ccagttccca	ggagtacatt	720
atgaagaagt	tcatacatat	cccacatcca	ctgcagtatc	tcaaaactct	cctagtaaca	780
gcctctctcc	atcaccacaa	ataccaagca	tattaattaa	agagggacaa	gcctgccact	840
atatccttca	ctcacaattc	caaagatggt	tgtcctggaa	attctatctt	atttttgtga	900
gctcttagca	tattgtgata	gcatgacatc	ttcacatcaa	gtatactgct	tggctagcat	960
caataaatagt	tcaaacaaat	agcaacaatt	tatatacttt	acatcaacta	ggggaaaggt	1020
gacaaacatt	gtttaagaca	gtttgaagca	caggttatca	ccaaggtctg	tgtttggaag	1080
ataaaacatg	cgagataaac	agaggactaa	cactgattaa	ttctggagaa	acatggagaa	1140
gaactataaa	ctgcttagca	gggagaaaac	agttctctga	tttataataa	aatctattca	1200
caacacttat	ttgtagttac	ttttataata	gataatattc	aagttatatt	aaagtgtctc	1260
aagcaaaaatt	tagcaactcc	tgtaaaggctt	cctgctgttc	atcatcaagt	tgtgatacac	1320
attccaacca	taaatcttca	gaagtctgta	cctgacgcac	gacattagct	aggcgtttgg	1380
cacaaggatc	ctcatagtta	atagtctcat	taattttttcc	ttctgcaatt	atactgatta	1440
ttttgggaag	attggaatta	tttggaacca	ttacaactgg	gtggttactt	tcaattaggt	1500
cacagagaaa	actcaaagtc	tgaatagctt	cctcttttct	ttcatgcagt	ggaagccatg	1560
ataaaccagt	tgaagaact	tcactctacat	ttacacagtt	aggcttaaac	ttcaaaatct	1620
tccctattgc	tgagatacac	ttctctgtag	caatgacatt	ttttttgggt	ttggaatgtg	1680
cacgccttaac	aactttttacc	agaagtggaa	cagcttctga	acataaagaa	cgataatcat	1740
ctccacccaaa	ctgtgccatg	acaccagggc	cataaagcagc	agcttgctctg	acttcagggt	1800
tgttatcttc	catattatat	aagtgtgatt	gtgtcttcaa	caacagctgc	atcacatttg	1860
atgcatcctg	cataaattgt	tccttcccag	cagcaagacc	aatatgaata	atgctctcga	1920
tagttattcc	tctcagaagc	ttgagttcct	ttgacagcag	ctcctggtga	atacgaagc	1979

```
<210> 4533
<211> 1205
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(498)
<223> similar to gi2970646 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4533						
acaaggaagc	ctctagagac	tcccagcttt	aagggcaacc	ctgatgtctc	agtgagaagc		60
acacaactgg	ctcaggacat	aggccaggcc	ctgctccacc	agaaaggtgt	ccaagacaaa		120

actgggaaga	aggacatcac	ccagtgtctct	gtgcaacctg	aacctgcccc	tcctcagacc	180
agtcccctgc	ccagaggggtg	gcaaaaagagt	gttctggagc	tacagacggg	gccagggagc	240
tcacaacact	atggagccat	gagaaccgtg	actgaacagt	atgaggaggt	ggaccagttt	300
gggaacacag	tcctcatgtc	ttccaccaca	gtcaccgagc	aggcagagcc	acccaggaac	360
ccaggctccc	acctcgggct	ccacgcctcc	cccttgctga	ggcagttcct	gcacagccca	420
gctgggttca	gcagtgacct	gacagaagct	gagacgggtg	aggtgtcctg	cagctactcc	480
cagccagctg	cccagtgagg	cccaccgcct	cccaccacac	ctgccacctg	ttcctggcct	540
ccactgcccc	aggactgaag	tgggtacctg	cctcctgtac	actggagcaa	ggaccaagag	600
gaaatggcat	cttcagagga	ttactgtggg	ccatttccct	ttcgcagttc	tttcaatagg	660
cccagttctt	ccaaatggaa	aaagaaaggt	ctggaagagg	cccacagagt	tgacagggcg	720
tgggggtagg	atgggggctc	ccagctgctt	gtggaggatg	taatatatac	agacacacac	780
atgtttttca	cacaggcctg	gcccacgcat	cgacatgtgt	gaatttgcac	accactgcct	840
gaattggagc	ccccagagt	gtccctctac	ccagagtttt	tatttcttta	attagtctga	900
gtgttcccag	ccatctgtct	cttaatccct	ggagaggaac	agagccaact	ggacacagcg	960
ttgggtctctg	tttggaatca	ctgtgagggtc	tccagaagga	cctggccgcc	agccccctca	1020
tcaccatctc	catcattcag	ctggctcatct	ggtggcccaa	aggtcaccca	aagagtcagc	1080
aatcagcatg	tccctagaag	ccaaatgcac	tgcctttctc	tgtccccatg	actgtccccc	1140
actctgcacc	ccaaatggga	agcatacggg	ctgaataaat	ccaagtttta	ttctctaaaa	1200
aaaaa						1205

<210> 4534

<211> 1534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (22)...(737)

<223> similar to gi2459910 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4534

cggacgcgtg	ggctccaggc	caaccctttc	tacgaccgct	accgcgacaa	gatccagctg	60
ctgcgcaggt	cagacccagc	tgctttttgag	tcccgcctgg	agaaacgcag	tgaatttcgg	120
aagcagccag	tggggcattc	caggcaaggt	gattttatca	aatgtgtgga	acagaagaca	180
gatgccttgg	ggaaacagtc	tgtgaacaga	ggattcacta	aggacaagac	tctcagttca	240
atctttaaca	ttgagatggg	aaaagaaaaa	actgcagaag	aaataaaaaca	gattttggcag	300
caatattttg	cagcaaaaaga	tacagtctac	gcagttattc	ctgcagaaaa	gtttgatttg	360
atctggaacc	gggctcagtc	ctgtccaaca	tttctatgtg	ctctgccaaag	aagggaaggt	420
tatgagtttt	ttgtaggaca	atggacaggt	actgaactcc	acttcaactgc	acttataaat	480
attcagaccc	gaggggaagc	tgagccagc	cagctgattt	tatatcacta	tcctgaactt	540
aaggaagaaa	agggcatagt	gctgatgact	gcagaaatgg	attccacatt	tctgaatggt	600
gctgaggcac	agtgcacgc	caaccaagtt	cagctcttct	acgctactga	tcggaagag	660
acctacgggt	tagtgagagc	ctttaacctc	agaccaaata	agttcaaata	tatgtctgtc	720
atcgtgaat	tggagcaaag	cggacttggg	gcagaactga	aatgtgccca	gaaccaaata	780
aagacttaga	actgtacagg	ttggcccttc	acctagtgtg	ctcagccctc	gatagtctag	840
agcccacccc	ctcctcagga	actcaagagc	tcagcattta	taatgagcag	ttggtaatga	900
gttgccctat	gtgcttgtcg	caagcagtc	cagagatgag	ccctattact	tgatattcag	960
gaacaaaggt	acctgaacat	tctgataatt	atctcagcat	acttgagggt	tcctttttta	1020
agtgttcgag	gttataacaa	gagacagcca	aggacctaca	agacagttga	cttgattttg	1080

cacagtgtaa	cagcgcagtt	gcattctggc	cactttgacc	ttatagctcc	caaagtatga	1140
gtttgtcatc	tttatgaact	catgacagga	taataagctt	gaagacctgc	tgtagttaga	1200
tatgggcttt	aatccttccc	atgcaccagt	cagctgaaca	aaagcataag	ccaaacatcc	1260
tgtttaaact	gtagaataac	cagatattcc	catcagggtta	aagacttcat	ctagatgatg	1320
ccccccagag	atgccttttag	tgtaaagtagc	tggcttgggg	tatcagcaaa	tttcagggtat	1380
agttagataa	acagggtacag	ggcctgcata	ctattaaacc	atagtttgtg	gcacccgctt	1440
ttctaactcc	acctgttaga	agctatgtgt	ttgaagggaat	gaatcagtg	agataaaata	1500
aaattctttt	gtaaggagaa	gattaaaaaa	aaaa			1534

<210> 4535

<211> 1900

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1103)

<223> similar to gi4835719 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4535

atggcctata	gggtcctggg	ccgcgcgggg	ccacctcagc	cgcgaggggc	gcgcaggctg	60
ctcttcgcct	tcacgctctc	gctctcctgc	acttacctgt	gttacagctt	cctgtgctgc	120
tgcgacgacc	tgggtcggag	ccgcctcctc	ggcgcgcctc	gctgcctccg	cggccccagc	180
gcgggcgggc	agaaacttct	ccagaagtcc	cgccctgtg	atccctccgg	gccgacggcc	240
agcgagccca	gcgctcccag	cgcgcccgcc	ggcgccgtgc	ccgcccctcg	cctctccggt	300
tccaaccact	ccggtcacc	caagctgggt	accaagcggt	tgccccaaagc	cctcattgtg	360
ggcgtgaaga	aggggggcac	ccgggcccgtg	ctggagttaa	tccgagtaca	cccggacgtg	420
cgggccttgg	gcacggaacc	ccacttcttt	gacaggaact	acggccgcgg	gctggattgg	480
tacaggagcc	taatacccag	gaccctcgat	agccagatca	cgctggagaa	gacgcccagc	540
tactttgtca	ctcaagaggc	tctcgcagc	atcttcaaca	tgtcccagaga	caccaagctg	600
atcgtggttg	tgcggaaccc	tgtgaccctg	gccatctctg	attacacgca	gacactctcc	660
aagaagccc	acatcccagc	ctttgagggc	ctctccttcc	gcaaccgcac	cctgggcctg	720
gtggacgtgt	catggaacgc	catccgcctc	ggcatgtacg	tgtgcacct	ggagagctgg	780
ctgcagtact	tcccgcctagc	tcagattcac	ttcgtcagtg	gcgagcgact	catcactgac	840
ccggccggcg	agatggggcg	agtccaggac	ttcctgggca	ttaagagatt	catcacggac	900
aagcacttct	atttcaacaa	gaccaaagga	ttcccttgct	tgaaaaaaac	agaatcgagc	960
ctcctgcctc	gatgcttggg	caaatacaaa	gggagaactc	atgtacagat	tgatcctgaa	1020
gtgatagacc	agctccgaga	attttataga	ccgtataata	tcaaatttta	tgaaccggtt	1080
gggcaggact	tcaggtggga	ataagcccac	gaaaggaaag	ggctctcaag	ggctcttctg	1140
ctcatctctt	ccgcgagatt	tgtcccaga	cccttggatc	tccctccaac	aaacctgggc	1200
tccagccccc	tttcccaact	tgagttgcat	catcttggaa	ccaggaagcc	cagctaaagc	1260
caagagacca	gagagtccct	gccactagtt	ttcatcagtc	tgttcaagca	aagttgatct	1320
gctcctggca	cgtccagtaa	attccagaat	cattctcctt	tctgcccata	aagggccttg	1380
gagaattgct	ttaagaagag	tgaatgttcc	aatgatgata	gatattataa	gcgatgatgg	1440
ttctgttgct	atgaacacag	cagtcggtec	ctgtcattgt	ccaacccagg	aatggccctt	1500
gttaaattcc	caatggcatg	taaccttccc	ctctgagctt	catttctctc	aaagatgctc	1560
tgggtggtgg	gatgggagac	catcctcagc	cctcctcaga	ccttatcaat	tcattgagag	1620
attgcaaagc	tgaagcacc	tccggccact	ccctgggaga	cagacccttt	ggtgatgaaa	1680
taaaccagtg	acttccagag	cctatggtct	caactgtgct	tgaaaaacac	tgtctctgaa	1740

aacaactttg	tgattctccc	tgctccctgt	ggacaaaagc	acataattct	gctgttacgg	1800
gtactttgct	catacgagct	ttcatgttca	gcatgcaatg	gaatcatgct	tgtccatgtg	1860
aaataaatat	ggctctctcg	tgtccttaaa	aaaaaaaaaa			1900

```

<210> 4536
<211> 1170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(728)
<223> similar to gi2984587 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4536						
cactcccttc	tcaggccccc	ccacttctca	agctgacttg	gattatgtgg	tccctcaaat	60
ctaccgacac	atgcaggagg	agttccgggg	ccggtttagag	aggaccaa	ctcaggggcc	120
cctgactgtg	gctgcttata	agttggggag	tgtctactca	gctgctatgg	tcacagccct	180
caccctgttg	gccttcccac	ttctgctgtt	gcatgcggag	cgcatcagcc	ttgtgttcct	240
gcttctgttt	ctgcagagct	tcctttctct	acatctgctt	gctgctggga	tacccgtcac	300
cacccctggt	ccttttactg	tgccatggca	ggcagtctcg	gcttggggcc	tcattggccac	360
acagaccctt	tactccacag	gccaccagcc	tgtctttcca	gccatccatt	ggcatgcagc	420
cttcgtggga	ttcccagagg	gtcatggctc	ctgtacttgg	ctgcctgctt	tgctagtggg	480
agccaacacc	tttgccctcc	acctcctctt	tgcagtaggt	tgccactgc	tcctgctctg	540
gcctttcctg	tgtgagagtc	aagggtctgc	gaagagacag	cagccccag	ggaatgaagc	600
tgatgccaga	gtcagaccgc	aggaggaaga	ggagccactg	atggagatgc	ggctccggga	660
tgcgcctcag	cacttctatg	cagcactgct	gcagctgggc	ctcaagtacc	tcctttatcct	720
tggtattcag	gtgggtgtag	gagagagatc	agggagttag	tggtttttct	ctgtgtgtgc	780
atcactttct	ttcagacctt	caaaaccgtg	ggagagagcc	ttgactgagt	ttcacataag	840
tgaagtgggt	gcccagccc	agtggcctca	aatggcagtt	ctgagacttg	aacctgggtc	900
tccttaatac	tagtcttgga	tcatttcccc	tctacaacct	agatctggac	cccgtagtt	960
gcatttgagg	attactctat	cagtggacag	actggaaaaa	ctgaggtgat	atccaggatt	1020
ttcttcccaa	actgtgggtca	tggatcctct	tcctttcctc	cagaggcaga	tgtggcactg	1080
atatcttctt	ccatcctggg	ggcacagcct	gagtggttagc	attgcagatg	gatactgact	1140
tgcccaagtc	acatagttag	tcagtgtctg				1170

```

<210> 4537
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (132)...(877)
<223> similar to gi3873753 in the genepept database release 114,

```

Run with FASTXY 3.3t00, default parameters

<400> 4537

```
ggcggagcgt ggctgcggcc agcggaccgg ggcctgggg cactgaccac tactgcctgg      60
agctgctgcg gaaacgggat tatgaagggt atttatgctc cctgctgctc cctgcagaat     120
cccgaagctc tgtttttgca ctgagggcct ttaatgtgga actggctcag gttaaagact     180
cagtctctga gaaaacaatt ggactgatgc gaatgcagtt ttggaaaaaa actgtggaag     240
atatatactg tgacaatcca ccacatcagc ctgtggccat tgaactatgg aaggctgtta     300
aaagacataa tctgactaaa agatggccta tgaaaatcgt cgatgaaaga gaaaaaaatc     360
tggtatgacaa agcatatcgt aatatcaagg aactggaaaa ttatgctgaa aacacacaga     420
gctctcttct ttacttaaca ctagaaatat tgggtataaa ggatcttcat gcagatcatg     480
ctgcaagtca tattggaaaa gcacaaggca ttgtcacttg cttgagagca acaccatatc     540
atgggagcag aagaaagggtg ttccttccca tggatatattg tatgctgcat ggtgtttcac     600
aagaggactt tctacggagg aaccaagata aaaatgtgag agatgtaata tatgacattg     660
ccagtcaagc acacttgcac ctaaagcatg ctaggtcctt tcacaaaact gttcctgtga     720
aagcatttcc tgcttttctt cagacggttt ctctagagga ctttctaaag aaaattcagc     780
gagtggattt tgatatattc caccatctt tacagcagaa gaatacatta cttccattat     840
atttgtatat tcagtcatgg agaaaaacat attaaaataa tttcatggca ctgatgttaa     900
ttctagtcta ttagtt                                     916
```

<210> 4538

<211> 842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(363)

<223> similar to gil56308 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4538

```
gatggagaga ggaaaagtat gagcgttgag aggacattca gtgagataaa taaagcggaa      60
gagcaataca gcctatgtca agaactttgc agtgagcttg ctcaggatct acagaaagaa     120
agacttaagg gtagaactgt taccattaag ttgaagaatg tgaattttga agtaaaaact     180
cgtgcatcta cagtttcatc tgttgtttct actgcagaag aaatatttgc cattgctaag     240
gaattgctaa aaacagaaat tgatgctgat tttccacatc ccttgagatt aaggcttatg     300
ggtgtttcggg tatctagttt tccaatgaa gaggacagga aacaccaaca aaggagcatt     360
attggctttt tacaggctgg aaaccaagcc ctgtcagcca ctgagtgtac attagagaaa     420
actgacaaag ataagtttgt aaaacctcta gaaatgtctc ataagaagag tttctttgat     480
aaaaaacgat cagaaaggaa atggagtcac caagatacat ttaaatgtga agccgtgaat     540
aaacaaagtt tccagacatc acaaccattc caagttttta agaagaagat gaatgagaat     600
ttggaaatat cagagaattc agatgactgt cagatactta cctgtcctgt ttgctttagg     660
gctcaagggt gcatcagttc ggaagccttg aataaacatg tagatgaatg tcttgatgga     720
ccttcaatca gtgaaaactt taaaatgttc tcgtgttcac atgtttctgc taccaaagtt     780
aacaagaaag aaaatgttcc tgcttcttca ctttgtgaga agcaagatta tgaagcccat     840
cc                                     842
```

<210> 4539
 <211> 1742
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1401)
 <223> similar to gi3881842 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4539
 gctcgaaaga gcattccaga cacatatgca gagcacctca ttgctggcgg actcatgacg 60
 caggaggagg tgtctgaaat aaaatcctcc tactatgcc a gttgaaatga tcacttaa at 120
 aacatggccc actacaggcc ccctgccctg aacctgcagg ccactggca gggcctggct 180
 cagccagaag cgaaatcac cacctggagt acagggtgtgc ccctcgacct cctgcggttt 240
 gttggcatga agtctgtaga ggtgccaaaga gagctgcaga tgcacagtca cctgctgaag 300
 acacatgttc agtccagaat ggagaagatg atggacggaa tcaagctaga ctgggccacc 360
 gcggaagctc ttgccttggg ttctttactt gctcaagggt ttaatgttcg tctaagtggc 420
 caagatgttg gtcgtggaac tttcagtcag aggcattgcaa tgggtggtttg ccaggagacg 480
 gatgacacct acatccccct gaacccatag gacccaaatc agaaggggtt tctagagggtc 540
 agcaacagcc ccctgtcaga agaggccgtc ctgggattcg aatatgggat gagcattgag 600
 agcccaaaag tactgccccct gtgggaggca cagtttgccg atttcttcaa tgggtgccag 660
 atcatctttg acacattcat ctctggagga gagggcaagt ggctcctaca aagcggcatt 720
 gtcacccctc ttccacatgg ctacgatggg gctgggccag accactcatc ctgtcgaata 780
 gagcgtttcc tgcagatgtg tgacagtgcg gaagaggggg tggacggaga cactgtgaac 840
 atgtttgtgg ttccaccaac aactcctgca cagtatttcc acttgcttag gagacagatg 900
 gtccggaact tcagaaaacc actcattgtt gcttccccct agatgttact caggctcccg 960
 gcagccgtgt caactcttca agaaatggca ccaggaacaa catttaaccg ggtcattggt 1020
 gattcatctg tggatccaaa aaagggttaag accctcgtgt tctgctccgg caaacatttc 1080
 tactccctgg tgaacaaaag agaatctctg ggggccaaaga agcatgactt tgccatcatc 1140
 cgagtagagg aactctgccc cttcccgttg gattctttac agcaagagat gagcaaatac 1200
 aaacatgtta aagatcatat ttggagtcag gaggaacctc agaacatggg tccgtggctg 1260
 tttgtttctc caaggtttga aaagcagctg gcctgcaagc tccgtctggt gggccggccc 1320
 cctttgccag taccgctgt aggaattggc acagttcact tgcaccagca tgaagatatc 1380
 ctgcgcaaga ccttcgcttg atgatgactt ttgaagaaac actatttctc tttaaagaaa 1440
 tggccattaa ggccgggtgg ggtggcacat gcctgtaatc ccagcacttt gggaggccaa 1500
 ggctgggtga tcacctgagg tcaggagttc gagaccagcc tggccaacac ggtgaaaccc 1560
 cgctctact aaaaatacaa aaaatagccg ggtgtggtgg tgggcacctg tgatcccagc 1620
 ttcttgggag gctgaggcaa gagaatcgct tgaatctggg aggcggaggt tgcagtgagc 1680
 caggatcaca ccattgctgt ccagcctggg tgacagagca agactgcgtt tcaaaaaaaa 1740
 aa 1742

<210> 4540
 <211> 595

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(406)
 <223> similar to gi4185943 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4540
 atagcactcc ccagatgcaa cttaatctaa cactctatac tttagatttt ctagacatac 60
 atagaaatca gaccactact tctgcagaac attttactag taaaaataat aggccacgtg 120
 agggaaaact gatttgggtg aaagacaaca aaaacaaaat atgggaaata ggtaagggtga 180
 taacatgggg gagaggtttt gctcgtgttt caccaggaga aaatcagctt cctgtttgga 240
 taccactag acatttgaag ttctacaatg aacccatcag agatgcaaat gaaagtgcct 300
 ccgcagagac agaaaaccca caatcgagca tcatccaccc gcaggatgaa caaaatgggtg 360
 atatcagaag aacagataaa gttaccatcc accaagaaaa cagcacatgt ggagagcccg 420
 ggagaagaat agaaagaaaa agagacggag atcagagaca gacacagaaa gtgagattgg 480
 ggagatagtg ttaaagagag agagagagag agagagagag accataagag aaggagagaca 540
 aagagataaa aggtgcgagt catcaggtga ggagaaagac tgaaaactat gagaa 595

<210> 4541
 <211> 1892
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1893)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1888)...(824)
 <223> similar to gi3004552 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4541
 ttcattgatgc aaatacatgt tcatattatc agttttttta aaaagcaaag tttgttaata 60
 tttattatct tattttttaag aacnaagaaa tacacattaa aataagattg tttttaagaa 120
 aaagcacccc cccaccccaa aaacacaaag tccaaggatc tctccccatc tccaagggtt 180
 aaagggcagc tatccagctg tagtctatct tcctaaattt tctcagttct ttttcttcag 240
 attttgacaa ctgatgtata atgtcttctc cttaaacctgt gttacttgta tcctggactt 300
 tttcggtaaa atcattttct tcatctgaat cttcactttc tttttcttct tccatatcta 360
 catcttcagg aatttcctta gcactcttag tctctttaga cagcagcaat gaatttaca 420
 acatggagca caggaaagca gcagatggca ggacatgggc tggagtgtga agaagctcac 480
 taattgcggg tatgttttct gttaagggtg gttgtaccag ctcatctctt aaagtttcgt 540


```

ttagtttttc atcctgctgt tgcctgtgtt ttcccaatat gaaataaaaat ggggttgtgg 600
gaagactttc ttctgctagc agctgtttgc ttgttgggtg gagtttttct tctggagact 660
ttgtactgaa tgtcaataaa ctctgtgatt ttgttaggaa gtaaaaactgg gatctattta 720
gccactggta agcttctgag gtgaaggatt cagggacatc tcgtggaaca aacactcccc 780
actggacttt ctctctggag ataccctttt gaatatacaa tggccttggc tcactagggtt 840
taaatacaaa caagtctgaa cccactgaag actgagagat tgcagcaata ttctctgaat 900
taggatcggg ttccataact ctaacattta attttgcat ccactccaat gcacagctca 960
gcagattcca acagcaaaga atgccatttt cagtagcacc aagtagatac tttgaacacg 1020
tcaatctccc aaagcaaagg tgccttattt tcccagctcg ttggcaaaat gtacatttaa 1080
gttcccatgt tacagaatcc catattgtga ctatttcctc aaaactaact gctagtaaag 1140
aaccatcttc ggagaaacaa cagttagttg cttgatactt gtgataacta ccaacaaagt 1200
cacaggtcca gccaacagct tttttgtata tgtcagagtc atctgttaat atccatactt 1260
tgaagtaacc atctttgcta gctgtaacca aggtgggctg ttcagatttt tctgcattac 1320
agaaacagag agctgtaatg cagtcttcgt gtggcatggt aatttttagtg ttaagaataa 1380
acccttgtgt tttcttatta tacatccaca gtttcatttg caattcaagc tcagtttctt 1440
tttcttgccg ctgttccact gttgcaagcc agttaccaa gcagccaaat gcagcctttg 1500
ttagttcaat ttggatcaga ccataatcat taatatattc ttgctgtata atatctaaat 1560
tgtataactg tttatcactc tggagagaat aaaactgcag gtggccagggt tttccattca 1620
aaaccaaagc ttttagttctt ggatcaatca tcaaaccagt gaagatactc ctatctttca 1680
ctaggccttg aattactgag gatgcttcaa ggtttcggtg aataattatt atcttattat 1740
cagagtgaga agtgcagaat aaatctcctg caggcgagac tgagatatgt tcaatagtag 1800
ctcctaaacg cgggagaaac tccttattct tctctgttgc atcgcgccac tctacaagta 1860
cagattcacg accgccactc agcagactgg tg 1892

```

<210> 4542

<211> 1784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1785)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1781)...(669)

<223> similar to gi669009 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4542

```

tttttttttt ttaaacagat cgaaccact ttatttcttt gtgcttttcc agtcacttat 60
atacaattac aataaagcaa atcattctct atatttttgt taaatcatca caaaatgtat 120
gtttaaaaag tagtttaagt ttactagaaa gtactatctc caatagctgt atagcctanc 180
ctatgtaaat ccatatttat gcctaattga agagaatata tttccaccct tccaggatat 240
tgtattccat tttttcctag cccttaataa acattttata aatactgaca ctggggataa 300
agttactgat aatattatat ttactttggc ttgcgagagt aaaaattggt attcagtcac 360
atacaacatt ctgcattttt ttagtcaat cctcaaacta cctgagatgt aaccattatt 420
actcagttat aaaaagaac caagattcag gtataactaa taattttgtga gtattcatga 480
cagaacatgg caggtttgat tgcaactctg tttgattcca aagtgtttgc tctttccact 540

```

tcatcgtaat	gtatttccac	tttatcataa	tgtattttctg	gcaagaagca	taagaatcaa	600
aaacgtgacc	tgaaaaacta	ctatggaatt	atttttaagt	ggtttgcata	gactttgttt	660
ttagactttg	tttaactttt	cccaaaaagt	tgtactcagt	tgttcaaagg	ctaagacaac	720
gttgctgtct	tcattttcac	atagctcacg	caaggaaaca	ctgatagatt	taatggtgag	780
tgcaaaatcc	ttcaacaaat	aataagcatc	tccttcattc	atcctgttat	cctggactaa	840
tcctatcaag	gaaccatggt	tgtagaaaac	cagtgcatag	gcattaagcg	acattttcct	900
tcctcggtta	tcaaattttct	gtgacaacag	cactggagcc	tgagagcgat	tgacaccgat	960
tgtgcctaga	gtaacatggt	ttggagtttc	tagtcgaagc	aaatcatcat	caaagttccc	1020
agacagacaa	acaaatggtg	aaattgctac	tcttccttcc	ttgcagctca	tcaaattgaga	1080
tacgagttga	gagtcctcac	attctttacc	tgtgaatttg	atttttgaca	atgggagttg	1140
atattcctga	ttcatatcag	ccagtttgga	aacaattcgt	aggaaagtgg	taaagtcctc	1200
cataattttc	atgttatatt	catctaaagc	atcactaaaa	tcctcagggg	gatcatcaag	1260
gaacaccttt	gattgataaa	actcgaagtg	tgcatcttgg	aactttgggtg	gaaaatatct	1320
tcttccaaag	agatgtgcca	atactaatac	tagcttttcc	ataacgtctt	gagaaaaatg	1380
ttttgagcct	ttcctggttg	gctgacagag	atcatggaag	agtccattta	caagaaaact	1440
gacaaaaaca	agattagaag	gttcatgata	atgcaaatgt	gatacaagtc	cagcaaaccc	1500
cataggatta	ccttcttgat	ctaaatagcc	ctctttcacc	aggaaactgca	aagaaaacag	1560
gaagtataat	tttaacctgt	ccatgactct	gggttgcttg	aaggacagca	atgaatgctt	1620
tagcaagtgt	agcacctttg	ccttggcatc	ctctgggtca	tctcccttgg	aagccagcag	1680
catgagtcgc	aggaccaggg	ttatgctgag	agggaagtgt	cctctcagct	caggaacatt	1740
ggatttttatg	agttttccta	ttttggggaa	tqqaatatca	aaaq		1784

<210> 4543

<211> 1977

<212> DNA

<213> Homo sapiens

$\langle 220 \rangle$

<221> misc feature

$$\langle 222 \rangle \quad (197\bar{9}) \dots (1715)$$

```
<223> similar to gi3879783 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 4543

gggagattca	ttataaaagt	cagtttattt	tccctttctg	tgtttcgtat	tttccctttt	60
tgtcagtaaa	tgagcaatac	actgactgga	aatctgcatg	attaaataac	attaacaagt	120
tcataaacac	accccatatc	agagtataaa	gcaagagggt	gaaaaatatc	ccctaaccga	180
atgcaaatta	ggtatccctc	aaaattgcac	attctcctcc	tagtttgctt	gcataattta	240
aaatatgtat	atacagaatg	atcttaaaat	attgataact	agtatggaat	tcacagccct	300
gaagatatat	atactctaca	tttttctaaa	gaacggacac	ccctcaggcc	ctagtaatcc	360
attcatgtga	ttcaatgtca	tgtacagaca	gtcctcagct	tctgattttt	ggactttaca	420
atggtgtgaa	atggttgcaa	tttcaacata	atgtacaata	ttcaataaat	tacatgatat	480
attcaacact	cgattataaa	atagagtttg	tgttagatga	ttctgcccaa	ctgtgggcaa	540
ttctaagtgt	tctgagtaca	tttaggggtg	acgaggctaa	gctgtggtgt	ccagtcaggg	600
gtattaaatg	catttgactt	ccaatgggtt	tactgggaca	taaccccatc	ataagtcaaa	660
gagcatctgt	acttgacct	tactagaaga	aaaggtcttt	cccttttctc	taattctagt	720
ctcttgctga	ggtaacctca	ggaagctggt	tgtgccagag	atcaatcctc	taaaaataga	780
ctaagcagat	tagcttccta	gaggatccta	aagttccag	acaacaaatc	tgggatggag	840
tgcttcggct	gtgagttaca	cgtcggaatg	ttcaagataa	atgatgtacc	ttatggctct	900
ttacacgtca	gaatgttcaa	gataactgat	gtaccttatg	gtccttgaaa	ggaagactca	960

atacttccag	gagtcaaagt	taatttgaat	gaaaatggaa	gagaacaagt	tgccaataat	1020
ttgaagcaat	tcatgtcttct	agggctgaat	gacgtttaga	tcagacacag	agtgactgag	1080
ccaatcaaca	ggcatgtagt	gtgatctttc	ccaccacagt	gaacagaggg	attctttgtc	1140
caaggcaggc	ttgcagctcg	gtccagcttg	agcatttgat	caggatttga	tgcttcaaag	1200
atgacccact	ctctgtaaac	tcattaccaa	agcaaaatgc	aatgatctct	tccatttgtg	1260
gaacatacca	ccaacacaaa	ccacgcgtgg	ctttgcctcc	tgttcaactcc	attttcaagg	1320
ctagagaaaag	ttcaagtcca	aaacaacagt	taagggttaa	acgctaacc	tcaataggcc	1380
aaacaaagac	gcgggcagag	tcagaggtca	aagatgctgg	cagagtcaga	agtcactcgg	1440
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tgcagccttc	actgctggtc	agcatctcag	gtggctggca	gtgttgagag	acgcctgaca	1560
atccaagatc	aggctggagc	tcctagacaa	acccaaatta	gggcagactc	gaagccccag	1620
cggtcctgat	gtggctgaca	ttgttctttc	tgtctcgcgg	gcaccggtca	ctccctcaat	1680
atgtgagcct	gtctccttag	cacgagagag	aataattccc	tcactattaa	tggcgagata	1740
aacacaaattg	tacaacttgt	catgagaatg	aaaagtaga	aaaccacat	ccatcctagc	1800
ttgtcccggga	tcagagacac	taaatactgg	cccactgcag	ctccaatgct	ccccgaacca	1860
tccacaattc	ctgtgacagt	ggccaaagct	tcaactgctcc	tttgatgag	ctcctggcga	1920
cccaagtccg	cagaaatagc	agatctgata	atattagacg	gtcctccaat	aaacaat	1977

```
<210> 4544
<211> 1308
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1183)
<223> similar to gi5630079 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4544					
atgggtataa	ctctggagtc	ttttctttca	gatgaagagc	ttgtcatcaa	agctgaaggc	60
cttgctagat	cctcgttgtg	ccctgagggt	ccagtcacct	tctcttctcc	accagcagca	120
gcaaaggatg	ctttttcaga	tgtggctttc	aaaagccagc	agtctacatc	catgacacct	180
tttggaagtc	cagccactga	cctgcctgaa	gcctctgagg	gacaagtgac	ttttactcag	240
ttgggtagct	atccccctcc	acctccagtt	ggcgagcagg	tgtttctcatg	ccaccactgt	300
ggcaagaatc	tcagccaaga	catgttgctg	accaccaat	gtagccatgc	tactgagcac	360
cccttaccct	gtgccagtg	ccctaagcac	tttactccac	aggcggacct	cagcagcacc	420
tcccaggacc	atgccagcga	gacaccccc	acctgccac	actgtgccag	gacttttact	480
cacccatcaa	gacttaccta	ccatcttcgg	gtccataaca	gcactgagcg	tcctttcccc	540
tgtcctgatt	gccccaaagc	ctttgctgac	caggctcgac	tcaccagcca	ccggagagct	600
catgcaagcg	aaaggccctt	ccgctgtgcc	cagtgcggca	ggagcttcag	cttgaaaatc	660
agcctcctgc	tccaccagcg	gggtcatgca	caagagcgcc	ctttctcctg	ccctcagtgt	720
ggcattgact	tcaacggcca	ctcgccctg	atccgccacc	agatgatcca	cacaggcgag	780
cgtccttacc	cctgcactga	ctgcagtaag	agcttcatgc	gcaaggagca	cctgctgaac	840
caccggcggc	tgcacacagg	cgagcggccc	ttcagttgtc	ctcactgtgg	caagagcttc	900
atccgcaagc	accacctaat	gaaacaccag	cgcattccaca	ccggggagcg	gccctacccc	960
tgctcctact	gtggcaggag	cttcogctac	aaacagacac	tcaaggacca	cctccgttca	1020
ggccacaatg	gaggctgtgg	gggtgatagt	gacctcatag	ctcagccacc	caaccacca	1080
ggtccccctca	taactgggct	tgaaacttct	ggcctgggtg	tcaacactga	aggtctagag	1140
accaaccagt	ggtatgggga	agggagtgga	gggggagttt	tgtaaatcca	aatctctgtg	1200

```

gcttcatgct ttgtatatgc tcacagcagg gcacaaaatc caagagaagg tctgtgagcc 1260
ccatccaaca cccacagtaa ttataatctt ggcacatcaa tggaattt 1308

```

```

<210> 4545
<211> 1430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1431)...(832)
<223> similar to gi4156193 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

0043375.04100
<400> 4545
tttttttaaat tttaaagtgt gggttttatta atgcacttca gggtaagtgc cagtcttatt 60
ttagcttctt ctggaagaaa tactaccaat tataaataat cacagcaaca ttttcattag 120
acaaaaactg tgtgtgtggg tgtggtaggg gggatatcatt tatagcatac tgcaaatata 180
aactcaattc ttgagctata ttaacaacac tgagcaacaa tatttctttc taaaattttc 240
ttttctttaa ggcagatctg tttattacta acatgggtgca gtgtagtttt agtaaattta 300
ctattttagt ttctcagtga caataacaca gatggtcaga aaacaggcaa caaatctct 360
tttctagttc ctctacctgg ccaccattta aaaaacacaa gttcctcata tatatagata 420
tatttatata ttactgtatc aaaacacatt ttaacacact tcacagctca tttaaagctt 480
cagtttatag tcattcatgt gaaagggtttc tataaggaat gttcacttag aattcctcac 540
tgggattcca gtgttctatg tcagaaatgc agaagtcctt tttcagtgc gtgctagaca 600
tattaccttt gttcattcat gatttttcttt caaggatttc ctaacttcac ttttgatatc 660
tcatttttgt ttgcttgact aatttctctt agtatacgtt caggtaagggt aggttgatat 720
ctgtataaat aaccatatgg acgaagatga taaacgaggt attctaactc atacatgggt 780
gtagaatcaa catagtgaag agaaactgca agatcagagc agcaaccagg accctctaca 840
ggaggataat agttgtaatt ccagtaccaa aacgttctag gtagataacc ttttaattaaa 900
tgggtgttctg gcacaaaggg atgaaaagtt tcttttccaa tggatatctct ggaatctcct 960
gcttctacat tcataatttc catgcatctc cccagtgcga agtcttcaat ggaggaacta 1020
tgtgtacact tgtctgtttt aaatgcatca acaaactctt tcaaggcttc tttgcttagt 1080
acatatcctg ctctccact catgtagccc tgctttacat aagggttaaa tcttctccca 1140
aagtaaatgg gttcttcagg gtcgtatttt gaaagaagcc acctcaaatt gtctagtagt 1200
acatacgtgt catcatctgc tttcaaaaac caatcagcat cttctaaata atgttcatga 1260
acatactgaa aagctttaat tgttttccag tatagttgat ctctgccttc tttgggtttc 1320
agtcccacag caggggaagtc tttattttct tctgaactca taaacaacac tttgttacia 1380
cgctgggccc aagtagcttt gacgtgtttg gcctttttct ctaggttttg 1430

```

```

<210> 4546
<211> 1313
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (28)...(939)
 <223> similar to gil79421 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4546

tagaaggac	gcttccaacc	gattactacc	agctatgact	atgatgcacc	tatatctgaa	60
gcaggggacc	ccacaccta	gctttttgct	cttcgagatg	tcatcagcaa	gttccaggaa	120
gttcctttgg	gacctttacc	tcccccgagc	ccaagatga	tgcttgga	tgtgactctg	180
cacctggttg	ggcatttact	ggctttccta	gacttgcttt	gcccccggtg	gcccattcat	240
tcaatcttgc	caatgacctt	tgaggctgtc	aagcaggacc	atggcttcat	gttgtaccga	300
acctatatga	cccataccat	ttttgagcca	acaccattct	gggtgccaaa	taatggagtc	360
catgaccgtg	cctatgtgat	ggtggatggg	gtgttccagg	gtgttgtgga	gcgaaatatg	420
agagacaaac	tatttttgac	ggggaaactg	gggtccaaac	tgatatctt	ggtggagaac	480
atggggaggc	tcagctttgg	gtctaacagc	agtgacttca	aggcctggt	gaagccacca	540
attctggggc	aaacaatcct	taccagtggt	atgatgttcc	ctctgaaaat	tgataacctt	600
gtgaagtggg	ggtttcccct	ccagttgcca	aatggccat	atcctcaagc	tccttctggc	660
cccacattct	actccaaaac	atttccaatt	ttaggctcag	ttggggacac	atttctatat	720
ctacctggat	ggaccaaggg	ccaagtctgg	atcaatgggt	ttaacttggg	ccggtactgg	780
acaaagcagg	ggccacaaca	gaccctctac	gtgccaaagat	tcctgctgtt	tcctagggga	840
gccctcaaca	aaattacatt	gctggaacta	gaagatgtac	ctctccagcc	ccaagtccaa	900
tttttgata	agcctatcct	caatagcact	agtactttgc	acaggacaca	tatcaattcc	960
ctttcagctg	atacactgag	tgctctgaa	ccaatggagt	taagtgggca	ctgaaaggta	1020
ggccgggcat	ggtggctcat	gcctgtaatc	ccagcacttt	gggaggctga	gacgggtgga	1080
ttacctgagg	tcaggacttc	aagaccagcc	tggccaacat	ggtgaaaccc	cgtctccact	1140
aaaaatacaa	aaattagccg	ggcgtgatgg	tgggcacctc	taatcccagc	tacttgggag	1200
gctgagggca	ggagaattgc	ttgaatccag	gaggcagagg	ttgcagtgag	tggaggttgt	1260
accactgcac	tccagcctgg	ctgacagtga	gacactccat	ctcaaaaaaa	aaa	1313

<210> 4547
 <211> 4715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(2467)
 <223> similar to gi4589562 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4547

ggcggcgggc	ggggcagcgc	ggcgcgtgtc	tgtgcgctgc	ggtcgctcgg	gaccgggacc	60
ggggcgaggc	gccgcggggc	tgagcccagc	agacattgcg	ttggcctccg	agcagggcgc	120
atcatgcagc	gttcgcgcac	cggagagaaa	actgagaatg	aaattgcttt	ggcaagctaa	180
aatgagctcg	attcaggact	ggggtgaaga	ggtagaggaa	ggagctgttt	accatgtcac	240
cctcaaaaga	gtccagattc	aacaggctgc	caataaagga	gcaagatggc	taggggttga	300
aggggaccag	ctgcctccag	gacacacagt	cagtcaatat	gaaacctgta	agatcaggac	360

cataaaagct	ggcaccttgg	agaagcttgt	ggagaacctg	ctgacagctt	ttggggacaa	420
tgactttacc	tatatcagca	tctttctttc	aacgtacaga	ggctttgcct	ccactaaaga	480
agtgtctggaa	ctactgctgg	acagggtatgg	aaacctgaca	agcccaaact	gtgaagaaga	540
tggaagccaa	agttcatcag	agtccaaaat	ggtgatcagg	aatgcaatcg	cttcataact	600
aagggcctgg	cttgaccagt	gtgcagaaga	cttccgagag	ccccctcact	tcccttgctt	660
acagaaactg	ctggattatc	tcacacggat	gatgccgggc	tctgacccag	aaagaagagc	720
acaaaatctt	cttgagcagt	ttcagaagca	agaagtggaa	actgacaatg	ggcttcccaa	780
cacgatctcc	ttcagcctgg	aagaggaaga	ggaactggag	ggtggagagt	cagcagaatt	840
cacgtgcttc	tcagaagatc	tcgtggcaga	gcagctgacc	tacatggatg	cacaactctt	900
caagaaagta	gtgcctcacc	actgcctggg	ctgcatttgg	tctcgaaggg	ataagaagga	960
aaacaaacat	ttggctccta	cgatccgtgc	caccatctct	cagtttaata	ccctcaccaa	1020
atgtgttgtc	agcaccatcc	tggggggcaa	agaactcaaa	actcagcaga	gagccaaaat	1080
cattgagaag	tggatcaaca	tcgctcatga	atgtagactc	ctgaagaatt	tttctctctt	1140
gagggccatc	gtttcggcac	tgcagtctaa	ttccatctat	cggttaaaaa	agacttgggc	1200
tgccgtccca	agggaccgaa	tgctgatgtt	tgaagaactt	tcagatatct	tctcagacca	1260
taataaccat	ttgaccagcc	gagaactact	gatgaaggaa	ggaacctcaa	aatttgcaaa	1320
cctggacagc	agtgtgaaag	aaaaccagaa	gcgtacccag	aggcggctgc	agctccagaa	1380
ggacatgggt	gtgatgcagg	gaactgtgcc	ctacctgggc	accttcctga	ctgacctgac	1440
catgcttgac	actgcccttc	aggactacat	cgagggtgga	ctgataaact	ttgagaaaag	1500
gagaagggaa	tttgaagtga	ttgccagat	aaagctctta	cagtctgcct	gcaacagcta	1560
ttgcatgacc	ccagaccaa	agttcatcca	gtggttccag	aggcagcagc	tcctgacaga	1620
ggaggagagc	tatgccctgt	catgtgagat	tgaagcagct	gctgacgcca	gcaccacctc	1680
gccaagcct	tggaagagca	tgggtgaagag	actcaacctt	ctgtttctag	gggctgacat	1740
gatcaccagt	cccactccca	caaagagca	gccaagctcc	actgccagcg	ggagctctgg	1800
tgaagcatg	gactctgtca	gcgtgtcatc	ctgcgagtcg	aaccactcag	aggctgagga	1860
gggtacatt	actcccatgg	acacccctga	tgagcctcaa	aaaaagctct	ctgagtcctc	1920
ctcatactgt	tcttctatcc	attccatgga	cacaaatttc	cttcagggga	tgtcttctct	1980
aatcaacccc	ctctctctcc	ctcgtctctg	caacaacaac	cccaaaatcc	acaagcgctc	2040
tgtctcgggtg	acgtccatta	cctcgactga	gctgcctcct	gtttacaacc	aacagaatga	2100
agacacctgc	ataatccgca	tcagtgtgga	agacaataac	ggcaacatgt	acaagagcat	2160
catgtttgacg	agccaggata	aaacccccgc	gtgtgatccag	agagccatgc	tgaagcacaa	2220
tctggactca	gaccccgccg	aggagtacga	gctgggtgcag	gtcatctcgg	aggacaaaga	2280
acttgtgatt	ccagactcag	caaattgtctt	ttatgccatg	aacagccaag	tgaactttga	2340
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cttgacgttg	cccaggacag	ctaaacgggg	ctgctggagt	aacagacaca	gcaaaatcac	2460
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aatgcagaat	taccaacatt	taaaacatat	atatgcacat	gtatttggtg	tgcattgtgt	2760
tatatataaa	aatatataag	agggacttta	tgggatagta	tggactatgg	aaaaacaaat	2820
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gccagtatta	caagaagccc	aaactttatt	tttataaagg	gagaggatga	ctttctcaat	3000
caagtgccac	cagataaaaa	caactgcaga	ggctggaact	gccacaggct	gtatgaaagg	3060
ccactttgga	aagggtttgg	atgagctggt	ggccttcaac	ctctgcctgc	atctgccact	3120
ttctgctacc	ctagggaggc	caggaggagc	ttcggaggac	catcgcccca	ctggtctagc	3180
catcatgaca	cctctggagg	tgtcaagctc	ctgaaacaag	ctcatttcag	tttctggcaa	3240
ccccgtgtat	ttccgttttc	cccctaaaga	acatatcata	atcattgcac	aaataaccat	3300
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tcctcaggtg	tggaaatttc	tactgcaatt	gactacgttt	gattattttg	agcttgtgaa	3540
agattttctga	acagtgattg	tcccgttaat	agccccctcag	aagatgttcc	ctgctgataa	3600
cagcatccta	ttttacttac	ttttatagca	ttactgtgcc	tagtcgtggg	gaaagagatg	3660
gggctgtata	gattatctga	atcatttgtc	taagaggtac	attcttccag	atggaatcaa	3720
taactttttt	tttcagggtt	cccgtgcttg	ctatcacagt	atcattgtta	agtgacactt	3780

ttgtctctca	taacaccatc	acactcttcc	ttccaagtct	gagctgtgct	ggggtttgaa	3840
ctaaaagcca	tatgtggaat	attgacatgt	gtaagaagca	ctttcagaat	gttgtccttt	3900
ttaagaaatg	attctcaaaa	taccagtttt	tattccaaaa	atttagagaa	caaaccggga	3960
atatgaagtg	cagattgtaa	catggagcta	tttttttttc	ctaattccat	aatacagctc	4020
ctaaaagttg	tgtgggattt	gcgttgcata	aatagccatg	tgaattccac	aagaagcacc	4080
agggaaaagt	tagagatttg	cggcaatgga	ccgaagaacg	ggccaggaag	tcctccaatt	4140
tcctttggtc	tttccaggag	attggactac	acattgtaaa	gactgactgg	gtttcaacta	4200
gtcaaaaagc	actttcttct	gttttcaatc	cctgttcgat	ttgtgcttct	gtgctttag	4260
gagagatggc	caggggtggc	gccctcatgc	aggttgaagt	atatgtagcc	tcagcctgat	4320
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tgaccaccaa	aacatatatg	ttgggcccgg	gttcacctctg	ggtatttata	ctgtatatgt	4440
agagtctaaa	tttatatact	gcaatgtaaa	atatatatat	atttaccttt	tttaaagaca	4500
atggaaaattc	caagtagact	aaacttagct	tcatttatct	aatgccactt	taaatgtctt	4560
aaatttgttt	cctgggtggac	agccgggta	tgcttttagc	tgctcgcatg	cttgtctttc	4620
tgcatctcca	tcattctgtt	accttttgg	taaaactaata	aactagtttg	ggacttggct	4680
ggcatgtgct	gccagaccca	aagggaaaaa	aaaaa			4715

<210> 4548
 <211> 1540
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1532)...(946)
 <223> similar to gi304346 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4548	
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gttttggttt	tcattttctt
gtagacaaaa	acataaatct
tgaatgttaa	aaaactcatc
tgttacatgc	tctgaggaag
ccagctcgga	ccccctctat
aggcagaaat	acacatgcat
gggctgatca	aggatatgca
ggatgaacat	gagttaaaa
gacaagaggt	gggatagatg
cagaagggga	gggttttctt
atacactgag	gcagaagcaa
aagtagaggg	aaaccatgag
tttccatta	cccaaaaaaa
ccagcatagg	ccaaagtcag
caaagccaga	gaagcccatc
cctcagccct	ccttttcttc
cctcttctct	gagctccttc
tcttcttctt	gttgacctca
gcatagacat	gccaggtttt
ttacccaaatg	taaaacaggc
gctcccataa	taagggtttt
tccaaaagcc	tgctcacaag
aagctgaaac	aatctacacc
actcatccca	tttaatttcc
ctctaggatt	ctctaggatt
catccacaca	ccatagaacc
atagggcagg	atgggaaaaa
tagagaaatgc	ttctgttgca
gagttttggg	aaagcagcct
agggtcctgt	gactccagtg
gcaatctgtg	ccctctccca
ccattgacac	tcttaagaac
acacacacgc	aaagttaggt
gtaactcttc	ttggtggaac
ctcctcaaat	gtcaagtcct
gtacgctttg	gccttttctt
ttctcttcca	ttctcttcca
cgttccacac	
agaaagttga	

tggagtcctt	caccacacag	tcacagacat	tgcagtaata	tcctcccatc	tcagattgag	1320
gggttgtctt	ggtaatgaca	attgtcttcc	caagcttgga	ttccaagtcc	accttgtagt	1380
ccctatgccg	taaaagctct	cgcttgacag	gctgcactgg	ttttccatct	ttcttttctc	1440
tctcttccgt	gagcctcttc	tcggcgagtt	tctcatattc	atctttgtcc	cactttcggc	1500
gaaagtccaa	gttttttgtc	ccgctgcccg	acgccatctt			1540

<210> 4549

<211> 2233

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (28)...(632)

<223> similar to gi4468141 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4549

gcacgagggg	atgcaagtga	atttagtaaa	aatccccata	ttgtgagttt	tgctggaaat	60
caagtaacta	ttataagagc	tgatggctcc	ctggttcaca	tcagcataac	accatatacct	120
gctattctcc	atgaatatgt	aagcagttca	aatggggaag	atgctgtgag	actttgtcgc	180
tttgtaaagg	agcaaaccat	gtgggcttgt	ctagctgcta	tggcagttgc	taatcgagat	240
atgactactg	cagaaatagc	ctatgcagca	attggtgaaa	ttgataagg	tcagtacatc	300
aattctataa	aaaatcttcc	atctaaagaa	tcaaaaatgg	cccacatact	actgttttagt	360
gggaacatac	aggaggctga	aatagtactt	cttcaggctg	gccttgttta	tcaagcaatc	420
cagatcaata	ttaatctcta	caactgggaa	agggcactgg	aattggctgt	aaaatacaaa	480
acacatgttg	atacagttct	tgcttaccgt	caaaagtttt	tgagagacatt	tggtaaacag	540
gaaactaata	aacgatactt	gcattatgca	gaaggtctcc	aaatagattg	ggagaaaatc	600
aaagccaaaa	ttgagatgga	aattacaaaa	gaaagagagc	aatcatcaag	cagccaatcc	660
agcaagagta	taggtttaaa	gccctaaatg	ccatgcgtat	ctttaagaaa	ttttatcttt	720
tgaaacacgt	tctgattaac	caagggttaag	catgttttgg	ttgctaaaga	aaaaagcata	780
atctttaacc	gagtataagt	acttgctgtg	tatttagtgt	aaaagtacat	gcagaaagat	840
gaaacacaaa	gtaattgatg	tatttctatc	ttttatatatt	tttagtccaa	taattagcaa	900
aatattacta	tgtacttaag	agatacctgt	gtagtgctga	ttatatgtca	gttttttgcc	960
cattacttca	tccctaaatc	ttcagcatga	acaaatatta	atgtcgataa	taaaacattg	1020
gactctttga	aatgtatgtt	accattaatt	tctattttgac	ctctaaattg	taaaatgcct	1080
ccaaaagttt	atttatagaa	caaaaataca	tgaggatgga	tttgtacaaa	tgtataaaat	1140
gccactattt	atacaccaag	ttcatagcag	cattactgga	atagcaaaaag	atggaaacag	1200
ctcaagtgtc	tatcatgaat	ggataaacia	atgtgctata	atacatacia	tggaatatta	1260
tttagcttta	aaaaggaatg	aaattctgat	aaatactacc	tcaggataaa	ccttgaaaaac	1320
actatgctaa	gtgaaataag	ccagacacaa	aaggccaaat	atgatgccac	ttttatgagg	1380
taccagcata	tgcaagttca	cagaaacaga	aaggagaata	gtggttgcca	gggactgcag	1440
ggaggaggaa	atggggggtg	gggttattgt	ttaacgagta	catagtttct	gtttgggatg	1500
aacaaattct	ggaaatggat	agcgatgatg	gttgctcaac	attttgaatg	ttaatgccac	1560
taaattgtac	ccataaaaaat	ggttaaaaatg	gtaaattttg	ttatgtatat	tttatcataa	1620
tttaaaaaat	atatctagaa	tgggcaagaa	ggattctcct	cattcctctc	ttgacttgag	1680
aatgatcagt	caataggccc	tgaagtctga	atttgtgaaa	atttccttgg	gtgacaaact	1740
tgtttgatta	ctctattttag	tgtatcccaa	agttattacc	acataatctt	ttaaacaata	1800
aaacaaatac	cccttagaaa	gtcttctgca	aacccatttc	tgaaaatggg	acattatagg	1860
gtgggtatag	atgcatagat	atgggattat	gtatgatata	tatatatata	cacacacaca	1920


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caaagggata gagagattac ctctcttaac ccccatTTta attactatgt ctaggtTTTT 1980
taaataaaaa tcttttcttt ttaacatgtt tcttttcttt tccggaatat tggaatattc 2040
tgttcttgat ccagatgaaa tctgattgag cagtgtactt acaagttgta ctgtgtgtgt 2100
gtttcctata ttgttatatt tcaataagaa gcttaaaatg tttaaaaata aatgagttaa 2160
aaggttttat attatgaata ttataacaca ataaatgcaa aaaataaaaa gtctgtgttc 2220
taaacaaaaa aaa 2233

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<210> 4550
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (769)...(648)
<223> similar to gil314637 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4550
ttcggcattt cagtaaattt ttttaatgac tttaatgatt cttattttaag aaaaagccct 60
taaataaatg ctaccaaggc agtaatatTT gaccatatga accagaccaa atacccttta 120
atttttagtat attaaacctc tgctgtaaat gctcttttta cattgccaca tgtacaaatt 180
tgtctagaac ttcacgacac aaaagtgtgc aaatatgagt ctaagattgt gctgaaatag 240
ggaaaggcta acactgatgt gcaaagtaaa aaagaaagat acccgcttct gcaccaggta 300
ataaaaacaag gaaaaaccga gttaggctct gcatgtgtct ccacttcatt gcttccatgt 360
ttgaaaaagg gagtctgttc ttttgctagg ccatgaggct ggaatccact tggcatactg 420
tgttgagagg tctaagttca gtggtgctct cagcagcagc cgggagggtgt gattctgagg 480
ctgggtgacc tgtgctttca gagaagcagg aaagggccct ctaggtgtgc tgcagtctct 540
cagaaagagt tcatcaaagt agcgagcaac gaaagaaact ggtcttcttt gatcggtttt 600
ctgttatTTT cactggtcca cctgctcctg ctgaattgct gtcattcgat ggtggagatg 660
aagggtggtgt tgaaggcgtc ctctgagaag cggaacagga ggcaggctct gcctaccccc 720
gagtcgccga tcagcaggag cttgaagaga taatcgtagc tctccg 766

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```

<210> 4551
<211> 1741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1743)...(1649)
<223> similar to gil872498 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400>	4551					
tttttttttt	ttccatcatt	gaaaatgttt	attaattttt	atgtaattct	tctaatecta	60
aaagactgaa	aacattgctc	tttatagttt	gcgggaattt	ttaatgcctt	aaacagaaac	120
tccaacagcc	tcatggcttg	ctttaagca	gagcctgaat	acagggggaa	cacaggtttg	180
cctgagggtt	aagaagcatc	caagagtaag	ggaagactgg	gtaagcaaag	caaaataaag	240
gggcaaacia	aacaaaccac	acagcacaa	acaccctagc	aaaggcttcc	cacagtgcc	300
ccacacgggt	aggcaccag	gccttttgtt	cttataaaat	atgtttttat	tggcttttgc	360
agtctcacgt	cacaaaataa	caaaatgaac	acaaggcaga	tagagctgg	tggggagcac	420
agacatgtgg	tggccttgaa	agcagctttt	ccccttaagt	ctctagaacc	tgccatgagt	480
aattaagaca	gtctttgagg	atggggctgt	caggtggggg	cgtttcagca	ggtgccgacg	540
agcgccttac	aaacgactgg	ctgaacacct	ttcctcccag	gcctctctgc	cccagcatca	600
ctcaatctgc	tcagtctctg	actgctgcag	gggaatgcgt	gctcagagag	agatgacact	660
tctgagggtg	ccccagctc	tgggtgcaga	ggagccgggg	tggggttattc	aggccacact	720
tccctgtggc	cacaggggaa	aggaccaggg	gaaaaaatgg	ggcaggggatg	gccagctaac	780
aaggggcctt	tggctttgtc	ctggaaaaaa	acaacagaga	aggaccaagt	gagggccccc	840
aactccccc	tccccaccgc	aatacacatg	catattcaga	gtacagagaa	aggcaccag	900
tacattctgt	ccttaaagac	aatgtttcaa	cagtcccaa	agaacctaat	ttgttctaga	960
gtcctttatg	taaccaggta	atgcacattt	aaaattaatt	tctttaatgg	attcttactt	1020
gatttacaaa	agactcccc	actccccaac	aaagaccccc	ccatgctgg	ggctgctgat	1080
gtccctgtga	aaatacatta	taaaaagaaa	taaaaaatta	tcatatgtga	atcgaagggt	1140
tgtttcata	tagcaatttt	ggggacattc	tgtaacagca	aagggttg	gctaatacagc	1200
acaggcctcc	cactcctgca	ttccatctga	ctcaacgctg	ctccccggcc	tacctaatta	1260
ccggggcttc	tggtttcttg	gaggacaaa	agcaggcggc	aagtattctg	ggtaaaatcc	1320
tcccaaagtc	ttccccacc	gtccccccag	tgggggacta	tgggttactg	tgatcaagag	1380
acactgaac	ataaaacaca	actacacttc	taccaaatac	aaactcaa	ccacacaaca	1440
aaacagaatt	gagcaatctt	accagggatt	gaaaactgag	ggtgtgagat	gctgggctga	1500
gggccaggag	gaggagaagg	aggagaggga	gggaagcac	agagtgggag	ggagtgagg	1560
ctccagggat	ggctgcagg	gccttccatg	gccacgatct	ctcacatctc	ctcgccagt	1620
tggcaacccc	tccagcagct	gggacttacc	tttgtactgg	ggagtgaatt	tgcgcacatc	1680
agcagggagg	gtctcgtaga	actgatgttc	ccttgggacc	aggggcttgc	acagggttgt	1740
c						1741

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<210> 4552
<211> 2379
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2380)...(478)
<223> similar to gi5911873 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4552						
actgattcca	aggtttgaga	catgcagtgt	ccacagttac	tagtggtgat	gatgtacatt		60
cttattaagc	tgttggatct	aactgcttaa	taaacacaag	tattagatat	ttcttttggg		120
ccaggatatgc	tgtgaaaaaa	gtactgaggc	actaaatagt	gtcatgagct	gagaaagttt		180
gagaatatct	gtgctatagg	caagaaaaat	acaaaacatc	atttagtfff	tcacctagaa		240
atftttctaaa	taaatagtca	tacaaaaaag	ggaaaatata	tacaaacgta	catacaaaagt		300

ttggattttt	attgaaatct	tgtaggtat	caaacaaatt	ctgctttctt	cagataaaaa	360
tattctctca	gatgtctcca	gataactgct	aagtctaaat	tggtccttca	atgtcttatt	420
tttattgtcc	tcgtgaaatg	ttcatataca	gttaagatgt	tcccaaaagg	atTTTTatcg	480
tgtaaaggag	cgtacatgac	gacctctacc	actgcttcca	ctaacaaact	ttcctcttga	540
gcctccactg	ccgctatttg	cactagccca	ggaagggtcca	agtccccac	gacctctaga	600
agcacggtcc	cgaggacttg	ggcggttaacc	tgtagaacta	aggggtcgtg	atgggtggaag	660
agggcctctg	ttaaaaattgc	tctggcctcc	acgactttca	ttgtaatttc	ctcgaggagt	720
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agcaggtggt	gtgaaaaaacc	tattctgact	gtggaaagca	ccccgtcctc	ctctattgcc	840
tgaaaaccca	ccacgggaag	aaatcttctg	tgatactttg	agtggccgtt	ttgggtggagg	900
tattccatct	tgaggaacca	cttctttact	ttcagcagca	acaaagtcac	ccacatgcat	960
agatggtggt	ctacttgtgt	tctgttttct	ctgacgaaaa	atatcatgag	gtcgtataacc	1020
ctgtccaaat	cctccccctgc	cccttctctc	tggtggtggc	acaacatgag	ctcttttggc	1080
aggttcaatg	tattcagatt	ttccacttga	cgttataaag	gtctcatgct	tgtgcttccc	1140
aagtttgaat	cctttagtag	tcttggttct	tcctggagat	gatggttctg	acaaaaatga	1200
gcgctcta	tctgagtgc	aatcaaaagtc	actacagcat	ttttcagaga	gttcaattaa	1260
gtcaaccttt	accaaatacca	gatctgtatc	tatctcttca	gcctgaaatg	gagtgaacca	1320
catagatttc	aactgatcat	ccatgacatc	agcaagcaca	taggcagtcc	tattgttaaa	1380
cagattctga	agagattctg	gagctgaaag	tactggttct	acatcctggt	cactgagagg	1440
taaagggcca	cctgatgact	ccagcatctg	cttaagtcca	actacactgt	ccaacaaaga	1500
atccagattg	tcatcatctt	ttgaatgttc	caaaacaagc	ttctctagtt	caaggaacaa	1560
attttctgga	ctttcttctt	tgctttgtag	aagctgtttt	aactctgcag	cattaatact	1620
catcgccgt	gatgtatgag	ctccctctac	ttccatgaga	ccattatcat	ctccacagca	1680
tccaattgtg	tcagagttaa	gaatttgtct	cataaattct	aaaaatgaag	atgcaagctc	1740
tcctgtgtcc	ttactaaatg	tgctgaccac	tcgtttcagt	aaactatgca	gagcactact	1800
gtttttcctt	aaagaacttt	ttaaatgaaa	taatccataa	tcatgctctg	caagaaacat	1860
cattgttctg	acacatgtca	gtaaacagtt	gtaactgctc	tcagagttag	ctagcgtagc	1920
caacagacag	tcacagattg	aggtcatcaa	ttctttattt	ggtagagaat	tggagagctg	1980
ctccagttca	gaaatagaac	cttcagaaga	gcttggttaag	ataagtgcaa	tgtcctgatc	2040
acagagagac	tgcaaaatgg	atgtgacata	ttcaacacac	tgttggcgaa	taacactgtc	2100
tccaggagac	cgcaccaaag	ctaaaagatc	ctggaatatc	tctgcataatc	tttcatcacc	2160
tttaatatgtt	ccattaatta	gatgcaaaat	agctaattta	caagctttgt	gtgaagccag	2220
agcataaaga	agagcaagca	acctggtggt	ttggctagta	tactgttggt	ctttatcttc	2280
tgaagtgctt	tgcaagtctt	ctacaatcaa	atccaacaca	gttctcataa	tcagaagtgc	2340
agttggtgag	gcaaggtcac	acaattcaac	atatgttac			2379

<210> 4553

<211> 1431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1432)...(298)

<223> similar to gi3880999 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4553

tttttttttt	catcaaaata	ttttatttca	agagttaaca	cttttttcaa	aaagtaaaaa	60
caatataatt	acttccctga	gtataaagaa	ccaatttcta	ccaatcaagg	acccattaca	120

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aaattaagca attagaggta cataattctc tgcattcaat tatactctat ttcaaattta 180
ttcttaaaaa tgtcatgttt tggaacttta atgtttcaaa aaaacctcag aacaactcat 240
tttgaccta tgggtgtaag gttatcagtc tgatctgtct ttatcaaatt caagggcaat 300
cttcaaagcg gtgctattga ggccaacaga ttgcatgtta catatgatag aaacaatgat 360
tcctcttggg ggaaccttgt tatttatagt ctctgtatcc agttcttcag gaaggaccag 420
caggacacta ctggcaccca ctgcccctcc agtatgtgaa gcataatgcc gttgctttct 480
acacgaacca tacgtttgtt tcctttccac aacaccccac gccattgcat atttaccctc 540
tttatcccaa gacatctctg tgtaggggac tgggggtccac atcataacca ttgtttctgg 600
tttgaggtat ccaggtaaaa gattttcatt tgagttctta aacagcccaa cttggtaacc 660
ataaagcatt gcattcccaa atttcagaag gtcacccact gtagacagaa atccaccacc 720
agcccattta taggagttat ccacgtaagg tgtgttgaca agacgtttct ttttattgta 780
aacataaaat cttgctctat tgtaaatcac tggctcgttt tcttcctgca cagtcgtcag 840
catatccaag tcatggaata ttttctgcat atagtccaaa tatttacatc ctgaagctct 900
ctctactatg gctgccagta gggatataggc aaaagttgaa tacaaaaact gactaccagg 960
tttgaagaac aaaggatcat ttttaataaa tcttagggat tcaattgaat ttcaaactt 1020
ttctctcaaa tataattcgc cttgttcaaa atcattcttt ttcttgccag gttttgaatt 1080
ccggcatttg gcttcattct cctgctctgt tttaaattta gtaaaatcat tcttttcatt 1140
acttttgctt tctttttctt gctcaaattgc aacattctct ttcattcatc tcaaggcttt 1200
ataagctttc tcttctttca ccttttttat gtccttttca taatgacgaa ttccacttaa 1260
atgggaaatc agtaatcttg ttgtgacaga aaccttttca cttcatatt ctttttctgg 1320
gaattcggga acataatgtt gtactggaat atcaagatcc agtttccctg cttcccacaa 1380
tttggaaga gcaaccatgg tgagactttt gctgatgcta gcaattcgca t 1431

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<210> 4554

<211> 1374

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)...(865)

<223> similar to gil381029 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4554

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gcacgagaaa agatggattc ttgtattgaa gcctttggta ccaccaaaaca gaagcgagct 60
ctgaacacca ggagaatgaa cagagttggc aatgaatctt tgaatcgtgc agtggctaaa 120
gctgcagaga ctatcattga tacgaagggt gtgactgctc tggtcagcga tgctatccac 180
aatgacttgc aagatgactc cctctacctt cctccctgct atgatgatgc agccaagcct 240
gaagacgtgt ataaatttga agatcttctt tcccctgcgg agtatgaagc tcttcagagc 300
ccatctgaag ctttcaggaa cgtcacgtca gaagaaatac tgaagatgat tgaggagaac 360
agccattgca cctttgtcat agaagcgttg aagtctttgc catcagatgt ggagagccga 420
gaccgccagg cccgatgcat atggtttctg gataccctca tcaaatttgc agctcatagg 480
gtagttaagc ggaaaagtgc tctgggacct ggagttcccc acatcatcaa caccaaactg 540
ctgaagcact ttacttgctt gacctacaac aatggcagat tacggaactt aatttcggat 600
tctatgaagg cgaagattac tgcataatgt atcatacttg ctttgacat acatgacttc 660
caaattgacc tgacagtgtt acagagggac ttgaagctca gtgagaaaag gatgatggag 720
atagccaaag ccatgaggct gaagatctcc aaaagaaggg tgtctgtggc cgccggcagt 780
gaagaagatc acaaactggg caccctgtcc ctcccgctgc ctccagccca gacctcagac 840
cgcttggaac agcggaggaa gattacctag acgcatgctt tccagacagg gcgttttggc 900

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tgcacacag	ccactggctg	gtcctattca	tttccatttt	tatgtatgtt	ttgaaaagaa	960
aaggtccggg	gatggtggct	cacacctgaa	atcccagcac	tttgggaggc	cgaggcagga	1020
agatcattga	gctcaggagt	ttgaaaccag	tctggacaac	atagggagac	cccatctcta	1080
ccggaggaaa	aaaaaaagag	tcaggcctgg	tgggtgtgcg	ctgtaatccc	agctactcgg	1140
gaggctgagg	caggacgatt	acttgagctt	gggaaatcaa	ggttgcagtg	agctatgatt	1200
gtgtggccac	actccatcct	gggtcacaga	gtgagacctt	gtctcaaaaa	agtaacataa	1260
ggaaaaaaga	agccttgctt	tagcacaggt	atgaagccag	aagccagcat	ctcaactgtg	1320
cttgtcttat	gcagaaatat	aaagcgatgg	ccaggtttga	cttcaaaaaa	aaaa	1374

<210> 4555

<211> 3076

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2622)

<223> similar to gi2792366 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4555

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gaagaaggtc	ggggcgcgaa	ggaaggcctc	cggggcgccg	gcgggagcgc	gagggggccc	120
ggcgaaggcc	aactccaatc	cgttcgaggt	gaaagttaac	aggcagaagt	tccagatcct	180
gggcccgaag	acgcgccacg	acgtgggact	gcccggggtg	tctcgcgcac	gggccctcag	240
gaagcgtaca	cagactttac	taaaagagta	caaagaaagg	gataaatcca	atgtattcag	300
agataaacgc	ttcgggagaat	acaacagcaa	catgagcccc	gaggagaaga	tgatgaagag	360
gtttgctctg	gaacagcagc	gacatcatga	gaaaaaaagc	atctacaatc	taaatgaaga	420
tgaagaattg	actcattatg	gccagtcttt	ggcagacatc	gagaagcata	atgacattgt	480
ggacagtgc	agcgatgctg	aggatcgagg	aacgttgtct	ggtgagctga	ctgctgccca	540
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gaaaccgaag	tcccggaaag	agctgattga	agagctcatt	gccaaagtcaa	aacaagagaa	660
gagggagaga	caagctcaac	gagaagatgc	cctcgagctc	acggagaagc	tagaccaaga	720
ctggaaaaga	attcagactc	tcctgtccca	caaaactccc	aagtcaagaga	acagagacaa	780
aaaggaaaaa	cccaagcccc	atgcatatga	catgatgggt	cgcgagcttg	gctttgaaat	840
gaaggcgag	ccctctaaca	ggatgaagac	ggaggcagaa	ttggcaaagg	aagagcagga	900
gcacctcagg	aagctggagg	ctgagagact	tcgaagaatg	cttggaaaagg	atgaggatga	960
aaatgttaag	aaaccaaacc	atatgtcagc	agatgatctg	aatgatggct	tcgtgctaga	1020
taaagatgac	aggcgtttgc	tttctacaa	agatggaaag	atgaatgtcg	aggaagatgt	1080
ccaggaagag	caaagcaagg	aagccagtga	ccctgagagc	aacgaggaag	aaggtgacag	1140
ttcaggcggg	gaggacacag	aggagagcga	cagcccagat	agccacttgg	acctggaatc	1200
caacgtggag	agtgaaggaag	aaaacgagaa	gccagcaaaa	gagcagaggg	agactcctgg	1260
gaaagggttg	ataagcggca	aggaaagagc	tggaaaagct	accagagacg	agctgcccta	1320
cacgttcgca	gcccctgaat	cctatgagga	actgagatct	ctgttggttag	gaagatcgat	1380
ggaagagcag	cttttggttg	tggagagaat	tcagaagtgc	aaccacccga	gtctcgcaga	1440
aggaacaaca	gcaaaattag	aaaaactgtt	tggctttctt	ttggaatacg	ttggcgattt	1500
ggctacagat	gacccaccag	acctcacagt	cattgataag	ttggttggtg	acttatatca	1560
tctttgccag	atgtttcctg	aatctgcaag	tgacgctatc	aaatttggtc	tccgagatgc	1620
gatgcatgag	atggaagaaa	tgattgagac	caaaggccgg	gcggcattgc	caggggttga	1680
tgtgctcatt	tatttgaaaa	tactggggt	gctattttcca	acttccgact	tctggcacc	1740

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agtggtgacc cctgccctcg tgtgcctcag tcagctgctc accaagtgcc ccatcctgtc 1800
cctccaggac gtggtgaagg gctgttctgt gtgctgcctg ttcttgaggt atgtggcttt 1860
gtcccagagg tttatacctg agcttattaa ttttcttctt gggattcttt acatagcaac 1920
tccaaacaaa gcaagccaag gttccactct ggtgcaccct ttcagagcgc ttgggaagaa 1980
ctcggaaactg ctcgtggtgt ctgctagaga ggatgtggcc acgtggcagc agagcagcct 2040
ctccctccgc tgggcgagta gactgagggc cccaacttcg acagaggcca atcacatccg 2100
actgtcctgc ctggctgtgg gcttgccct gctgaagcgc tgcgtgctca tgtacggggtc 2160
cctgccatcc ttccacgcca tcatggggcc tctccgagcc ctctcacagg atcacctggc 2220
ggactgcagc caccgcagc agctccagga gctgtgtcag agcacactga ccgaaatgga 2280
aagccagaag cagctctgcc ggccgctgac ctgtgagaag agcaagcctg tcccactgaa 2340
gcttttcaca ccccggctgg tcaaagtctt cgagtgttga agaaaacaag gcagtagtaa 2400
ggagggaacag gaaaggaga ggctgatcca caaacacaag cgtgaattta aaggggccgt 2460
tcgagaaaatc cgcaaggaca atcagttcct ggcgaggatg caactctcag aaatcatgga 2520
acgggatgctg gaaagaaaagc ggaaagttaa aacagcctgg ctacacagga 2580
aggcgaatgg aaggctctga agaggaaaaa gttcaaaaaa taaattacat tttataaata 2640
aggcaaggaa ctggacatta cctcacatct gcaattccaa ccctctgggtc tcgaattccc 2700
gacctcaggt aatccacctg ccttgccccc ccaattatag gtgtgagcca cagcaccag 2760
ccaaaaaagt aatttttttt agagtaataa tgctataatg ttggtgtgat tccaacctcc 2820
agctcccccc acccgctgcc tgcggttttg tttctgttaa aacgtcacct gatgaaatag 2880
aatgaatcct gaaatgcacc tctgggatcg ggaatggtct gtgtgttatc agctgcgact 2940
ggttcactgc gtctggacaa gcctcatggg gactggggat tctggccagt gtaatttctg 3000
tcaaccacgg acgtttgcct tcatgtgtag aatttactgt tgttatgcaa attatatattt 3060
caattataaa tgaaaa 3076

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<210> 4556
<211> 1225
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1122)
<223> similar to gi3924667 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4556
agccgcgtgg ggccgcacc tctgggcagc agcggcagcc gagactcacg gtcaagctaa 60
ggcgaagagt ggggtgctga agccatacta ttttatagaa ttaatggaaa gcagaaaaga 120
catcacaac caagaagaac tttggaaaat gaagcctagg agaaatttag aagaagacga 180
ttatttgcac aaggacacgg gagagaccag catgctaaaa agacctgtgc ttttgcattt 240
gcaccaaaaca gccatgctg atgaatttga ctgcccttca gaacttcagc acacacagga 300
actctttcca cagtggcact tgccaattaa aatagctgct attatagcat ctctgacttt 360
tctttacact cttctgaggg aagtaattca cccttttagca acttcccatc aacaatattt 420
ttataaaatt ccaatcctgg tcatcaaaa agtcttgcca atggtttcca tactctctt 480
ggcattgggt tacctgccag gtgtgatagc agcaattgtc caacttcata atggaaccaa 540
gtataagaag tttccacatt ggttgataa gtggatgtta acaagaaagc agtttgggct 600
tctcagtttc ttttttctg tactgcatgc aatttatagt ctgtcttacc caatgaggcg 660
atcctacaga tacaagttgc taaactgggc atatcaacag gtccaacaaa ataaagaaga 720
tgccctggatt gagcatgatg tttggagaat ggagatttat gtgtctctgg gaattgtggg 780
attggcaata ctggctctgt tggctgtgac atctattcca tctgtgagtg actctttgac 840

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atggagagaa	tttcaactata	ttcagagcaa	gctaggaatt	gtttcccttc	tactgggcac	900
aatacacgca	ttgatttttg	cctggaataa	gtggatagat	ataaaacaat	ttgtatggta	960
tacacctcca	acttttatga	tagctgtttt	ccttccaatt	gttgtcctga	tattttaaag	1020
catactattc	ctgccatgct	tgaggaagaa	gatactgaag	attagacatg	gttgggaaga	1080
cgtcacaaa	attaacaaaa	ctgagatatg	ttcccagttg	tagaattact	gtttacacac	1140
atttttgttc	aatattgata	tattttatca	ccaacatttc	aagtttgat	ttgttaataa	1200
aatgattatt	caaggaaaaa	aaaaa				1225

<210> 4557
 <211> 1165
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(288)
 <223> similar to gi5052204 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4557					
ggcacgagag	aactatgggt	cctggggaca	aagcttcttt	gaagggtctt	ttcagaaaat	60
ccccgctaaa	cgaattgggtg	ttcctgagga	ggtctcctct	gtggtctgct	tcctactgtc	120
tctgcagct	tccttcatca	ctggacagtc	ggtggatgtg	gatgggggcc	ggagtctcta	180
tactactcg	tatgaggtag	cagatcatga	caactggccc	aaggagcag	gggacctttc	240
tggtgtcaaa	aagatgaagg	agacctttta	ggagaaagct	aagctctgag	ctgaggaaac	300
aagggtgtcct	ccatcccca	gtgccttcac	atcttgagga	tatgcttctg	tactttttta	360
aagcttatag	ttggtatgga	aaacattttt	cttattttta	agtgttatta	attatatcta	420
tggaaaaact	attcctgaaa	tatatacagt	cttatgtccc	aatcagagtc	ttttaaccta	480
tgatttataa	atgtataagt	aacagaaatt	aacatatatt	aatgacttta	ctttttat	540
ctaagaaaag	tatttgaaaa	atggaataat	tttaaataca	tgataattct	agggatcatg	600
aactcccaga	agattttatt	atttaattgt	aaaggtagag	gccagacgca	gtggctcacg	660
cctgtaattc	cagcactttg	ggaggccgag	gtaggcggt	cagttgaggt	caggagtcca	720
agaccaggct	ggccaacatg	gtaaaaccct	gtctctactg	aaaaacaaca	aaaacaaaaa	780
cacaaattag	tcgggtgtgg	tggcacacac	ctgtggtccc	gggtacttgg	gaggctgagg	840
caggaggatc	gcttgaaccc	cggaagcgg	agggtgcagt	gagctgagat	catgctactg	900
cagtccagcc	tgggctacag	agtgaactg	catctcaaaa	aaaaacccaa	aaaacaaaaa	960
caaacaacaa	caacaaaatt	ataaaggtag	aaaataaacc	taaattgtgt	cggtaattaa	1020
gattattaaa	attagaatta	tacaatgact	tatttttggg	ggcaaatact	ttaggagcaa	1080
taatgcctta	tggttaattat	tgatgtatag	tttcttttgg	ttatgaagtc	aaatttgtat	1140
aaattctctt	aattcaaaaa	aaaaa				1165

<210> 4558
 <211> 1289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (261)...(734)
 <223> similar to gil049369 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4558

ggcacgaggc	gattagcgcc	aacagctcag	agaaaacgtg	acgaaaacca	gtctgtaaaa	60
cccagacctg	ggagaggggc	ttcgggtgcg	ggggggaatt	tgcagacgct	ccctgctggc	120
ggagatttcc	tgacctgtcc	ttcggcgcg	gactttcggc	gggtcccggc	cgggcagacc	180
caagtgccgg	cggcggagac	tgcagtgagg	ccagtaccgg	ctgtagtggc	cggggccgtg	240
gcgggagagt	catgtcagag	ccgcagccgc	ggggcgcaga	gcgcgatctc	taccgggaca	300
cgtgggtgcg	atacctgggc	tatgccaatg	aggtgggcga	ggctttccgc	tctcttgtgc	360
cagcggcggt	ggtgtggctg	agctatggcg	tggccagctc	ctacgtgctg	gcggatgcca	420
ttgacaaagg	caagaaggct	ggagaggtgc	ccagccctga	agcaggccgc	agcgccaggg	480
tgaccgtggc	tgtgtgggac	acctttgtat	ggcaggctct	agcctctgtg	gccattccgg	540
gcttcaccat	caaccgcgtg	tgtgctgcct	ctctctatgt	cctgggcact	gccacccgct	600
ggcccttggc	tgtccgcaag	tggaccacca	ccgcgcttgg	gctgttgacc	atccccatca	660
ttatccaccc	cattgacagg	tcggtggatt	tcctcctgga	ctccagcctg	cgcaagctct	720
acccaacagt	ggggaagccc	agctcctcct	gatcatactc	tggtagcctg	cctgtgcatc	780
ggcctcctgc	ttcatgtcaa	cctcctactc	ctgccaggga	atgtggacac	ctggctccct	840
ggtgtccaaa	gaccctggca	cctgggtggg	tttgagctgg	acagaagctt	agagacaaaag	900
gcttcaagaa	gcagtggctg	cagggagtc	cagaagggca	ggacctgaac	gctgtctgct	960
tccctggaat	ccaagatgct	gagtggaaat	ggaccctggg	tgggcccggc	cctgtctttt	1020
tcaggaaaat	tacatcctcc	catggaggat	gagagactga	ggctcaggga	gggcaaggaa	1080
taggccaaag	atcacttggc	aagctgggca	cccaggaccc	ccagggtgctt	gacagagtca	1140
cccctgggtg	gtatggctga	acaaggagcg	gcagacaact	cagggagaaa	ctcaggagt	1200
cagtaccagg	gacacctcag	gacagattct	ctggccaggc	ccttcctga	cccaataaat	1260
cctgaagagg	tgaaaaaaga	aaaaaaaaa				1289

<210> 4559
 <211> 2076
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> similar to gi3292902 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4559

ggcaatattg	tcattccagaa	gaaaaaatat	aacaaacaac	atattattcc	cctggaaaat	60
gtcactattg	attccatcaa	agatgaggga	gacttaagga	atggatggct	aatcaagaca	120
ccaactaaat	cttttgcagt	ttatgtctgc	actgctacgg	agaaatcaga	atggatgaat	180
catataaata	aatgtgttac	tgatttactc	tccaaaagt	ggaagacacc	cagtaatgaa	240
catgctgctg	tctgggttcc	tgactctgag	gcaactgtat	gtatgcgttg	tcagaaagca	300


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aaattcacac ctgttaatcg tcgccaccat tgccgcaaat gtgggttttgt tgtctgtggg 360
ccctgctctg aaaagagatt tcttcttccc agccagtcct ctaagcctgt gcggatttgt 420
gacttctgct atgacctgct ttctgctggg gacatggcca catgccagcc tgctagatca 480
gactcttaca gccagtcatt gaagtctcct ttaaattgata tgtctgatga tgatgacgat 540
gatgatagca gtgactaagg acacatttgg gagtatttaa tcagggtgtgg ctatctgaga 600
aatcaacttt gggggaaaatg taagattctg agctctctct ctgttttgtt ctagccatga 660
atttgectga gaaacttgta acctatgtgc ctcaatatat tccatagaaa gtaggtcccc 720
ctgecttctc ccactcctca cactcttcta cagggatagg cttttgcaaa tatatcagat 780
aaattttttg tttcttggtt attttttaggt tattttcttg gaagggtggg aaaagatgtt 840
tgttttaaca ggcatgtac tacgttggtt ttttcatttc tgttataagt aaaactaaaa 900
gcacagaatg gtgggaaaag ggctataatg tgggtcatta ataattgttag cagctttttt 960
ctaaccatcc tgtctaattg ttaagacacc agtaacaaaa acacatgatt tggaaatact 1020
ttggcttttt catataccta gtggtgcctt atcataatag cactgttaca tgaaataagc 1080
ccctaccttc ttactttctg gtttggtgaa aaaatacaact ggtgctcttt gaagtataa 1140
aatgagtgtt tatgaatggg tgtaattagg aaatacttct catctgacag ctacaaataa 1200
ctaagtttgg aggtattttt actctatatg aataaatatt tttccataaa atagttgtga 1260
ttatattttt gttttatata ggtcccaaatt tataattgtc aaatatatat tttaaattaa 1320
taaaaagttg cattcttagg aatttggttt gaaatttatc agttatacag aattgtcata 1380
ctgcattagc ttctaccttt agtaagacat attttttagg tataaattct tatgctttaa 1440
cattatttct ggattgaaaa tcttataaaa cccttgaaaa taaacagtct cttttttaca 1500
aagcctgtgt tagagcacag atttacctag gcttgaagat ttggaagaaa taatatgtaa 1560
gaatggcctc aaggcagacc actttaagtt tggctagact tcatatcgtg gaagtattgt 1620
ctatttcagt gtgaaaactat cttgaatttg caaatatagt gttatatattt ataaagtttt 1680
gtaaaatccc aaacaatat tctatttttg taaaacaatt gtatgtataa tctgtatttg 1740
aaatcatttt gcaatctatg gaaatagagt agcaattgct atttctaaat tgtgaacttt 1800
aagtcaatct agatttatat tgagaagtaa ttgttctctc tttacttttg aggcagccat 1860
taggttgaaa gtatatattt atcatataaa acttgatgcg ttttgcacta ctctttccat 1920
ttatatgctg caaacaacta cagtctttga aatatggaaa atcagcagtc taaagtttgt 1980
tttaaattct aaatttaaaa aatcttcaaa tctgaatata ccgcaaatgt catgagaagt 2040
ttgattcagt aacttgtgat ggaggattct ttggtt 2076

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<210> 4560

<211> 1104

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (205)...(655)

<223> similar to gi4972714 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4560

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ggcacgagg agacccttat gtttgaaaaa gattgtgcc ctaaaactaaa ggagaagcag 60
ctctttaaga tatttccagc cattaaccaa aatgagaatg tcacatctca tactggccag 120
aagtctaaag agaaaaagcc aaagaaatta aaagagactg aagaaacacc aagtgaactg 180
tctttccagg actttgagta cccagactat gatgactaca gagcagaggc tttccttcac 240
caacagaaga ggatggagt ctacagcaag gccaaagaag cttatcgat agggaaaaaa 300
aatgtcgcca ccttttatgc ccagcaggg actcttcatg agcagaagat gaaagaagcc 360
aatcaccttg ctgccataga gatctttgag aaagtcaatg ctctgctgct gccacagaat 420

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gttttagacc	tccatgggct	gcatgtggat	gaagctctag	aacatttgat	gagagtttta	480
gagaagaaga	ctgaagaatt	taagcagaac	gggtgggaagc	cctatttgtc	tgtgattacg	540
gggagaggaa	accacagcca	gggaggagtt	gctcgcacat	aaccagctgt	cattaagtac	600
ctcataagcc	atagcttcag	gttctctgaa	attaaaccag	ggtgcttgaa	agtcattgcta	660
aagtaaaata	aacatccttg	aattagaagt	atgaagggttt	gtagggttaaa	attactttta	720
tttgacgtaa	ttcagtcatt	tctaccctaa	agatgtgttt	tattataaat	aatattcaat	780
tatgaaacaa	aaaaattatg	atgtttttca	aaatgcaagt	gagggttgat	tttttactga	840
atcaaattgca	aatgttacct	gttaaagata	ttacagagaa	attttattga	ttacaaaata	900
tgtaagaaaa	ttatcagcta	cagtttttaa	gtttaaaatg	ctctgattgt	ttctcgagaa	960
aaggttacct	ttgtattaat	tggtgtatga	catttagtaa	tgctcctaaa	gtcttttgtg	1020
agaggatatt	aaagtgcctt	gagacctgat	tcatggcccc	caaaggggtg	tattaaaaga	1080
ggaaaaagga	catagtagtg	gtag				1104

<210> 4561
 <211> 1525
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (304)...(668)
 <223> similar to gi4240213 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4561						
aggtcccggg	tgcacgattt	cgctgcggtg	gctgggtggc	ctccattgtc	gggctgctgc	60
tctcagcggc	ggggctcgcc	agcgcttcag	tgggcgggga	cgcggcaggt	gactccagac	120
caaggaggat	gagctgctgt	ccctggaaga	gaacggatgg	agggaagcag	ctcctacgaa	180
gttccctctg	tggctgctgc	tgatctggag	gagggtgctg	gtcagactag	gagcttgctt	240
gccacccctt	ccaaagatgt	tcacaagggt	gttggaggca	tcatcttttc	ctcctcaccg	300
atttttagact	tgagtgaag	tggtctgtgc	cgtttgagg	aggtcttttag	aatccccagc	360
cttcaacaat	tgcatctgca	aaggaatgcc	ctgtgtgtga	ttcctcaaga	tttctttcag	420
ttgcttccga	acctgacttg	gctggacctc	cggtacaata	gaattaaagc	gcttccttct	480
gggattggag	ctcaccagca	tttgaaaact	ttgcttttag	aaagaaatcc	tatcaaaatg	540
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ctggaattcc	ctcctcagct	cgttgtgcag	aagggtattg	tggctatcca	gcgcttcctg	660
cggatgtggg	cagtagaaca	ctctctcccc	agaaatccaa	cttctcaaga	ggctccaccg	720
gttagagaga	tgacctccg	tgacctcccg	agcccaggac	tggagtgtgc	tggagaccac	780
gcgtctaacc	aaggagctgt	gaacgctcag	gacccagagg	gggctgtgat	gaaagagaag	840
gccagctttc	tcccgcctgt	ggaaaagcca	gacctgagtg	aactcaggaa	gtctgaggac	900
tcctcagaga	actggcccag	cgaggaggag	atcaggcgct	tttggaagct	gaggcaggag	960
attgttgagc	acgtgaaggc	agacgttctg	ggagatcagc	tcttgacgag	ggaattacct	1020
ccaaatctca	aggcgccctt	gaacattgag	aaagaactac	caaagccaag	acacgttttc	1080
agaaggaaga	cagcctcctc	caggagcatc	ttacccgacc	tcttgtcacc	gtaccaaagt	1140
gcgatccgag	caaaaagact	ggaagagagc	cgagcggcgg	cgctccgaga	gctccaggag	1200
aagcaggctc	tgatggagca	gcagagacga	gagaaaagg	cactgcagga	gtggagagag	1260
cgagcccaga	ggatgaggaa	gaggaaggaa	gagctcagca	aactcctgcc	tccgcggagg	1320
agcatggtgg	catcaaagat	tccctctgcc	acagatctga	tagataacag	gaaagtacca	1380
ctgaatccgc	ctggaaaaat	gaaaccaagc	aaagagaaat	cgccacaagc	aagtaaagaa	1440
atgagtgtccc	tgcaggagag	aaatttagaa	gagaagataa	aacagcacgt	cctccaaatg	1500

cgtgagcaaa gaagattcca tggcc

1525

<210> 4562
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(572)
<223> similar to gi5911866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4562
ggcacgagca gctgtcagta gtgttctcag tacaggtgta ccaacagtac cgttattgcc 60
accacaagta aaccagtccc tcaacttctgt gccaccaatg aatccagcta ctacattacc 120
aggtctgatg cctttaccag caggactgcc caacctcccc aacctcaacc tcaacctccc 180
agcaccacac attatgccag gggtttgctt accagaactt gtaaaccacag gtctgccacc 240
tcttccttcc atgcctcccc gaaacttacc tggcattgca cctctcccccc tgccatccga 300
gttcctcccg tcattcccct tggttccaga gagctcttct gcagcaagct caggagagct 360
gctgtcttcc ctcccgccca ccagcaacgc accctctgac cctgccacaa ctactgcaaa 420
ggcagacgct gcctcctcac tcaactgtgga tgtgacgccc cccactgcca aggccccac 480
caccgttgag gacagagtcg gcgactccac cccagtcagc gagaagcctg tttctgcggc 540
tgtggatgcc aatgcttctg agtcacctta actttgaacc attctttgga attggcgtgg 600
tatatttaac cacgggagcg tgtctggaaa cgcaaaactat cattaatttc atactagttt 660
gtaccgtatc tgtaggcatc ctgtaaataa ttccaagggg aaaactaaac gaggacgtgg 720
gttgatccct gccaggttga gtggggctca cacgctaggg tgagatgtca gaaagcgctt 780
gtatttttaa caaccaaaaa gaattgtaag ggtggccttg tgccaggctt gcactgccgt 840

<210> 4563
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(396)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (63)...(206)
<223> similar to gi687891 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

gacttttcaat	gtagcaatt	aagctgttgt	caaacaatca	gtcatgagct	ttgttaattt	1680
tcaatgtttt	cccagcctat	aaaaaaagga	aggtacacgt	tgctctttta	aagggttgta	1740
gtagatttg	agtgagtaga	caggatattg	cattaaaaat	tgaaagctcg	atctgattat	1800
tgtaggaac	ccccagtgtg	acctcacaca	taggatgtgg	gacctttgag	ccgatgtgca	1860
ctggccacca	ccaggggttg	ggcgccaca	gctgcgagcc	cggccccctgc	tgttctcagc	1920
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atgcaatttt	tatcctgttt	agactgttaa	aagcaggttt	ctgtacttaa	gagtcccca	2040
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gaccaaaca	accaaagtgc	ctgtgacggg	gcgggtggcg	tctaccacc	ctcccttcta	2340
gcagattctt	attttgtttg	aattttataaa	caaggctggg	ggctgtctac	ccaccctccc	2400
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aggaagtgg	agagcagcac	cgtgcctgcc	ctgaggcagt	ggagtcagta	gcgctgtccc	3000
cagggccttg	agtgcctgga	ggtgcttgcc	ctccagtagc	tgccctccatt	ctcttttaaa	3060
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<210> 4565

<211> 817

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (10)...(698)

<223> similar to gi2997692 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4565

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aataagaaag	acagaaaaac	tgtgaaaatg	atgtatcaga	agaaaaaatt	tgcatatggc	180
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gaagttaatg	tcagcttgcc	caggttcaaa	ctggaagaga	gttacctct	caactccgac	420
ctcgcccgcc	taggtgtgca	ggatctcttt	aacagtagca	aggctgatct	gtctggcatg	480
tcaggagcca	gagatatatt	tatatcaaaa	attgtccaca	agtcatttgt	ggaagtgaat	540
gaagagggaa	cagagggcgg	agctgccaca	gcaggcatcg	caactttctg	catgttgatg	600
cccgaagaaa	atttcactgc	cgaccatcca	ttctttttct	ttattcgga	taattcctca	660
ggtagcatcc	tattcttggg	gagattttct	tccccttaga	agaaagagac	tgtagcaata	720

caaaaatcaa gcttagtgct ttattacctg agtttttaat agagccaata tgttttatat 780
cttttccaat aaaaccctg ttcagacaaa aaaaaaa 817

<210> 4566
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (806)...(573)
<223> similar to gill196814 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4566
tttttttttt ttgatttggt aattaaagtt tatttgaaca caaaatactt tctctgtcta 60
taaaattggc tgtagcagt agcagcagca tgtcctggcc aaggggagta gatttctcca 120
gactactaaa gccatgtata tagccattcc cacttcccat attctgtgga tatgtacatg 180
tgcatggtag ctagagtccc tccaccagga gtatctctct catggatggg ttcttcaggg 240
agaggaagag gagacctggg gtgaagagct gggatggttt tgaagtgggg caaagccatt 300
aggcttgtag cttgaaagcc ccagtctctc tgggaatagc ttgtactgcc aggtgtcctc 360
tgaggcccct tctctgtact ctgtcctgct tgaggggaat gggggatattt gggactccca 420
taggaaaggc acttagccta agtcacaaa tgactgcttg gtccccactg aagcagtgtg 480
gctctccata gtatttttgg tggttatgga ttacatgtgt ggccagctca tgctttttct 540
tgagcagggg ctgtccatga cctgtgctca taccatgctt tctaagttct ctttgacag 600
ggcctcagct gctgcctcag cctgagtttc agagagtgtg taggagtcct ggtaatcttg 660
aagcagtttg accacctcca gatggttgaa ctgcacagca tcatccaggg gaatgttgcc 720
ccacctgtcc ttggcaaaag gattcacttt gcaagcctcg atcaggaatt taacaacttc 780
gatgtgtcct tcagctgcag caa 803

<210> 4567
<211> 1200
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(918)
<223> similar to gi3659694 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4567
ctggagacgg gctgatgcac gaggtggtga acgggctcat ggagcggcct gactgggaga 60

<210> 4569
 <211> 1420
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (185)...(867)
 <223> similar to gi791040 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4569
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 tcatcggtgt gcagtattga tcaggacctg caaacccaaa agcttatggg agctggcacg 180
 tcacaaaaaag aaaaaaacca agcccatcat ctctgtttcg gacagagcaa acagcaacaa 240
 ggagctgggt gtggaccagg agtcagagga gggcaaaggc aaaacaagcc ctgataagca 300
 aaagcagtc ccacagccac agcctggcag ctctgatcag gaaagtgagg aacagcaaca 360
 attccggaac attttcaagc agatagcagg agatgacatg gagatctgtg cagatgagct 420
 caagaaggtc cttaacacag tcgtgaacaa acacaaggac ctgaagacac acgggttcac 480
 actggagtc tgccgtagca tgattgcgt catggatata gatggctctg gaaagctcaa 540
 cctgcaggag ttccaccacc tctggaacaa gattaaggcc tggcagaaaa ttttcaaaca 600
 ctatgacaca gaccagtccg gcaccatcaa cagctacgag atgcgaaatg cagtcaacga 660
 cgcaggattc cacctcaaca accagctcta tgacatcatt accatgcggt acgcagacaa 720
 acacatgaac atcgactttg acagtttcat ctgctgcttc gttaggctgg agggcatgtt 780
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 cctacccatc cttgatcggt catgcctagc ctgacccttt agtaaagcaa tgaggtagga 1080
 agaacaaacc cttgtccctt tgccatgtgg aggaaagtgc ctgcctctgg tccgagccgc 1140
 ctcggttctg aagcgagtgc tctgtcttac cttgtcttag gctgtctgca gaagcacctg 1200
 ccggtggcac tcagcacctc cttgtgctag agccctccat caccttcacg ctgtcccacc 1260
 atggggccagg aaccaaacca gcactgggtt ctactgctgt ggggtaaact aactcagtgg 1320
 aatagggctg gttacttttg gctgtccaac tcataagttt ggctgcattt tgaaaaaagc 1380
 tgatctaaat aaaggcatgt gtatggcttg aaaaaaaaaa 1420

<210> 4570
 <211> 1684
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (51)...(751)
 <223> similar to gi5123952 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


```

<400> 4570
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aagagaagtc ctctgaagcc ttggagttta tgaagcggga cctgacggag tttacccagg    120
tgggtgcagca tgacacggcc tgtaccatcg cagccacggc cagcgtggtc aaggagaagc    180
tggctacgga aggtcctca ggagcaacag agaagatgaa gaaaggggta tctgacttcc    240
taggggtgat ctcagacacc tttgcccctt cgccagacaa aaccatcgac tgcgatgtca    300
tcaccctgat gggcacaccg tctggcacag ctgagcccta tgatggcacc aaggctcgcc    360
tctatagcct gcagtcggac ccagcaacct actgtaatga accagatggg cccccggaat    420
tgtttgacgc ctggctttcc cagttctgct tggaggagaa gaagggggag atctcagagc    480
tccttgtagg cagcccctcc atccggggcc tctacaccaa gatggttcca gcagctgttt    540
cccattcaga attctggcat cggtatattt ataaagtcca tcagttagag caggagcagg    600
cccgaggagg cgccctgaag cagcggggcg aacagagcat ctctgaagag cccggctggg    660
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agaatctggt gacttcagtt gagccccag cagaggtgac tccatcagag agcagtgaga    840
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atgtgggtga gactggaccc tcacccccta ttcactcaa gccctaacg cctgctggcc   1020
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ccacagactt acgggtggtt gagctgaact cggatagtgg gaagtctaca ccctccaaca   1140
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acatgactga agaggaggtg cagatggcac tttccaaagt ggatgcctcc ggggaggtga   1260
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tcctcagttc caggggtgat agaggggtcaa gttcttgacc ttagctctgt atcaaaattg   1500
cctgagaaac tgcttaagaa aacagatgtc atgctgagcg cgggtggctca cacctgtaat   1560
cccaacactt tgggaggcca aggtgggagg attgcttgag gcgaggagtt caagaccagc   1620
ctggccaata tagtgagacc ccatttctgt ttttgaaaaa aaaaaaaaag gggcggccct   1680
ttag

```

```

<210> 4571
<211> 3652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3653)...(1207)
<223> similar to gi5360115 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4571
ttttttttga cataatcatt tttatttgat ttaattgata aataaatata agagaactgt    60
tgtgaaacca cttggcaata tagtaaatTT taaagatttt atttcaactt cactcactta   120
tatttcttgg gaatgggat atatacatTA ttcaccaata aatcgctaata gcttttaaatt   180

```


cgccgctgcc ggccgcccgc gcggggaagc tgccgcagtg cctccccgcc at

3652

<210> 4572

<211> 6639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(6417)

<223> similar to gi2224547 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4572

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aaggacaggg	tattaaaacc	gacattccca	ggtacatcat	tagccaactg	ggactcaata	120
aggatccctt	ggaagaaatg	gtcattttgg	gaaactacga	tagtgggaca	gcagaaacac	180
cagaaacaga	tgaatcagtg	agtagctcta	atgcctccct	gaaacttcga	aggaaacctc	240
gggaaagtga	ttttgaaacg	attaaattga	ttagcaatgg	agcctatggg	gcagtctact	300
ttgttcggca	taaagaatcc	cggcagaggt	ttgccatgaa	gaagattaat	aaacagaacc	360
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agggagaagg	tgggcccctc	gtcccactgc	acactgacag	ggctcctcta	gacgccaagc	5400
cacaacccac	cagtgggtgg	cgccccctgg	aggtgctgga	gaagcctgtg	catttgccaa	5460
ggccggggaca	cccagggcct	agtgcagcc	cggaccagaa	actgtccgct	gttgggtgaaa	5520
agcaaacctt	gtctccaaag	caccccaaac	catccactgt	gaaagattgc	cccacctgt	5580

```

gcaaacagac agacaacaga cagacagaca aaagcccagag tcagccggcc gccaaacaccg 5640
acagaagggc ggaaggggaag aaatgcactg aagcacttta tgctccagca gagggcgaca 5700
agctcgaggg cggcctttcc tttgtgcata gcgagaaccg gttgaaaggc gcggagcggc 5760
cagccgcggg ggtggggaag ggcttccctg aggccagagg gaaagggccc ggtccccaga 5820
agccaccgac ggaggcagac aagcccaatg gcatgaaacg gtccccctca gccactgggc 5880
agagttcttt ccgatccacg gccctcccgg aaaagtctct gagctgctcc tccagcttcc 5940
ctgaaaccag ggccggagtt agagaggcct ctgcagccag cagcgacacc tcttctgcca 6000
aggccgcggg gggcatgctg gagcttccag cccccagcaa cagggaccat aggaaggctc 6060
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tctccaccct gcctctggag tcacaccacc ccgacccaaa caccatgggc ggggccagcc 6180
accgggacag ggctctctcg gtgactgcca ccgtagggga aaccaaaggg aaggaccctg 6240
ccccagccca gcctccccc gctaggaaac agaacgtggg cagagacgtg accaagccat 6300
ccccagcccc aaacactgac cgccccatct ctctttctaa tgagaaggac tttgtggtac 6360
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gagggcccag gggcaggact gtggagaccc gtcctgaacg ggcgactgtg tcttgactac 6480
ctttcaaaac cagcactgtg tgggaatgtc cgccaggcag agctcggagc ctcatgaga 6540
caggggagag agaaagacaa agaggggacc ttcttccaga tgcttccca gttgtaaccg 6600
gtaaaactgt taccagatag tgtttgtaca aaaaaaaaa 6639

```

```

<210> 4573
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (645)...(183)
<223> similar to gi2576345 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4573
tttttttttt ttggttttat agatttattt tcaaagagta aaacacatac aatttaaata 60
caagtccatc agaatcactc tgtcagagtc agcaagaatg ccaaaatgtg tcctcactgc 120
cagacattcg tcactatcat ctgagtcctc tctcagcaaa gccaaagggg ctgatacttt 180
attcatatac atccttctta tctgcaatgt aatctacaat ttcttgtgga cacattaact 240
tttcagcatc tatatcagga atttcaaacc caaatcgtc ttccatggcc atgataatct 300
ccacttggtc caaactgtct aagcccaggc ctttcataaa atgagaattt actgaaagct 360
tctctgggtc aatcttgtca tagagtttca atacgtaaag aacacggtcc tggatgccct 420
ctaacgtcaa aggaggcatg tcgctatact ggcggcacia ctgtgtaact ctaccaggaa 480
cctgcgcgag cactaaggcc ggctgcaaag tcccagacct cgtctgggtc cccgcggagc 540
agagagcggg gctgagaggc cgggccacgg ccagcatccg gacccggggc agcggcgcaa 600
aggccgcggg caggcggctg acataggctg aaaggacacg ag 642

```

```

<210> 4574
<211> 1972
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1973)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1931)...(250)

<223> similar to gi790585 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4574

tttttttttt	taaatactca	atggtcattt	attatataac	ttaaactcat	tcaatacatt	60
aaataactgt	tttaaataat	tacaattttt	taaaattaaa	gaatatgtca	ctgatcttaa	120
cgagacttcc	aaatcgtctc	agcaggggct	ccagacttcc	ccagcaggcg	gcagggttcc	180
tgtcatgctt	tgccttccct	tctcatatac	accagtgtca	gagttcatca	tgtgtcaaaa	240
ttgtatcttg	cttcttggtt	tcaagatgat	ctaatagttg	tcttatctca	gcatacact	300
ccacccattc	tgggacaatt	ctggcagcag	cttttagttt	ggattctttt	gttttgggat	360
tattgcacag	atcaattggt	ttggctcttt	gtttggattc	atcatcacac	caggtttcac	420
accacagcca	gtcttgagga	agagacttaa	tggcgacttg	gtaaatcata	ttattgggga	480
gatcctgatc	taggtttgaa	agactgtttg	gatcttgact	gagagcttga	tactggctcc	540
tgagcctgtc	acctgctcca	attctcctga	acttcttgag	atccactaca	tataaagcac	600
tgatatggta	tttccgtctt	aaaagatgtg	atgccagta	tctgttttcc	cagaaacgat	660
atccatccat	ttccctgctg	ctatcacaaa	atggagtata	cccataagga	gctccatcca	720
gatcgaaatc	togaagtctt	tttagatcat	gtctcacaat	ctgggtcagca	tcaacaaaaa	780
tgattttgct	cactgctagt	gggaaaagaa	catcaaggaa	aagaattttg	taaccccaaa	840
taatcctctg	tctttcagtc	tgttgacgaa	gccaacgggg	ccacctatat	tgaactagtt	900
catatcgga	tccatactct	ttagccatgt	gaggaattac	ttctttaaat	gtcgggtgaga	960
gataattttt	tagcaaccag	aatttcaactg	gtgttttggt	gttacgcaaa	acagaaagca	1020
tcataattct	taaaaaacgt	tcatataaat	gaccagaagc	aactgaaaaa	atgttttagga	1080
catctttttc	ctttttggtt	tctttatgca	agcttactgt	gaaactttta	atggaatccc	1140
acagtccttt	tgttttttca	tcttcatcgg	taaggatata	ttccttaatt	ttgtctgttt	1200
cttttttcac	ttttactttg	agtatcttgc	ttttgaagct	gtttaataca	acaatgatata	1260
cttctagggtc	tgcttgagag	tcagttccct	catgcccaac	tatttgataa	atatcttcag	1320
attttccttg	gtgtaacctc	agtatccaag	cacctgggtt	tgcttttaata	tgaaaataacc	1380
catgatgtgc	catcactatt	gtatcaacca	cagcagggtt	attttttgtg	cctagtgtga	1440
actgcagacc	ccgaggaggc	tgttctgtca	ctttatcaaa	gcattgtcct	tccagtagta	1500
agtattctag	ttcatattct	gctgtaacag	ttttctcagt	atcctttaag	tgaatattat	1560
caaggtcaca	gttgctgtgc	actgtttcaa	ccaaccagcc	ttctggagta	atcatgttga	1620
ggattaggag	gggtgattca	ggaatatcca	aaaattttgc	cactgggtcca	agagaagaaa	1680
cgtcattagc	cctgacatc	agttctgggt	ccagaacaaa	acggtaaaag	ctttctaaag	1740
gggcttctga	aagcctgccc	ctacagttca	tgaacaactt	tatcttcagg	ttgataatct	1800
tgccaagtac	aaccaacaac	tgtgccattt	tctgtgcttc	tcttgttaat	ggatcaacaa	1860
tagcaatgac	attgaagaac	atatcattct	cttgaggatt	cgtctttata	acactgtgat	1920
tctccctaag	aatgaattc	cngcncntgg	ctatgggtcat	cgatnctcaa	tg	1972

<210> 4575

<211> 1892

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (85)...(642)
 <223> similar to gi256994 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4575

cttggttgaa	cccccccgag	gttggatccc	gatttggagg	ggcgacccaa	gcgtccggat	60
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tgtatacact	acatccgatg	ccttttggaa	accttatttg	ttcacaaagt	ttctgcagga	180
cacacacctt	tgaaaaat	gataatgagt	tgtgcctttt	actggggatt	tacttcttgg	240
attgcctact	acatttatcg	tccactatat	acaccaccat	catttggaaa	caggcaaatc	300
acagtatctg	ctatcaat	tctgatttgt	gaagctggga	atcatttcat	caatgtaatg	360
ttgtctcatc	ccaatcacac	aggaaacaat	gcctgtttcc	caagtccaaa	ttataacccc	420
ttcacatgga	tgtttttcct	ggtttcatgt	cctaactaca	cctatgagat	tggatcatgg	480
attagtttca	cagtcatgac	acaaacactg	ccagttggaa	tttttacct	tctgatgagt	540
atccagatgt	ctttgtgggc	acaaaagaaa	cataagattt	atctgagaaa	attcaattca	600
tatattcata	gaaaatcagc	aatgattcca	ttcatattgt	aaaaaaagaa	tcttatctcc	660
tatagaaaac	agcaacatat	aaattcaata	aataagactt	agttaaggat	agttaactat	720
tatactccaa	caattcatga	gcaacagtat	atacactgag	taaaaatata	aaatagtaaa	780
atttcactaa	atttatagaa	atgcacatgg	taataaaaaag	tataaattat	aaatgcaatt	840
aactaagaac	agctctgaat	gtatttgcac	gggattgggtc	cttgaataaa	attgtcttac	900
ttcattaata	cttcacaata	ctatttgcac	aagacaaaaat	accacagcaa	aaaaaaaaaat	960
ctgattaaaa	aaaaaaaaaag	cgatctgaac	agacatttcc	caaaggaaga	catatacatg	1020
gtcaataagt	atatttttaa	aatgctcaac	attaactatt	catacagaaa	tgcaaatcaa	1080
aaccacaatg	agatatcatc	tcatccta	taaggtgact	attttcaaaa	agacaaaaaa	1140
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aattgcttga	gttcagaagt	ttgagatctg	ggcaacatat	tgagactctg	tctctaaaaa	1260
gcatattgag	actctgtctc	tacaaaaaaa	ttttaaaaaag	taaaaattag	ctgggcgtgg	1320
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ctacagagag	ccatgattaa	accaaggcac	tccagcctgg	gtgacagagt	gagactgtct	1440
caaaataaaa	taaaaataac	atattgggtga	agatgcgggg	aaaaaaaaaag	aactcttaaa	1500
cactgctggt	gggaatgtaa	actaaagcag	ccatgtggag	aacaacatgg	agtttcttca	1560
aaaattacaa	atagaactat	catatgatcc	agcaatacca	ttactggaaa	aaggaaatct	1620
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tataggagca	acctaggtgt	ccaacaacag	atgaatggat	aaagaaaatg	tggtatatat	1740
acacaataga	atactatgca	gccataaaaa	ccgaattcct	gtcattcagg	acaacatgga	1800
tgggaattgga	gggcatatgt	taagtgaac	aagccaggaa	cagaaagtta	aacattgcat	1860
gttattactt	atatgtggaa	gctaaaaaaa	tt			1892

<210> 4576
 <211> 3511
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (2)...(2169)

<223> similar to gi4760778 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4576

caacctccaa	agtgggggct	tctcctgcac	catcatgtac	cgggaagattg	gccccctggt	60
ggacaagcag	atctacaggt	tctccgagga	aggcatggtc	aatgccaggt	ttgactacac	120
ctatcatgac	aacagcttcc	gcatcgcaag	catcaagccc	gtcataagt	agactcccct	180
ccccgttgac	ctctaccgct	atgatgagat	ttctggcaag	gtggaacact	ttggtaagtt	240
tggagtcac	tattatgaca	tcaaccagat	catcaccact	gccgtgatga	ccctcagcaa	300
acacttcgac	acccatgggc	ggatcaagga	gggtccagtat	gagatgttcc	gggtccctcat	360
gtactggatg	acggtgcaat	atgacagcat	gggcagggtg	atcaagaggg	agctaaaact	420
ggggccctat	gccaatacca	cgaagtacac	ctatgactac	gatggggacg	ggcagctcca	480
gagcgtggcc	gtcaatgacc	gcccagacctg	gcgctacagc	tatgacctta	atgggaatct	540
ccacttactg	aaccagggca	acagtgtgcg	cctcatgccc	ttgcgctatg	acctccggga	600
tcggataacc	agactcgggg	atgtgcagta	caaaattgac	gacgatggct	atctgtgccca	660
gagagggtct	gacatcttcg	aatacaattc	caagggcctc	ctaacaagag	cctacaacaa	720
ggccagcggg	tggagtgtcc	agtaccgcta	tgatggcgta	ggacggcggg	cttctacaa	780
gaccaacctg	ggccaccacc	tgcagtactt	ctactctgac	ctccacaacc	cgacgcgcat	840
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ccacctcttt	gccatggaga	gcagcagtg	ggaggagtac	tatgttgcc	ctgataacac	960
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agaagcgaag	ataagaaaga	aggcctcata	tccaattacc	tactcattc	acatgtgagc	2640
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tgagcactgg	aaataccttt	taaagaaaaa	aaaacatgag	ggaataaaaag	aaattcctat	2880
caaaaatcaa	agtgaataaa	taccatccag	cacttaactc	tcaggtccca	actaagtctg	2940

08-06-2009

<211> 470

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> (2) . . . (94)

```
<223> similar to gi4929679 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

aagatgcaat	gggaaacagt	ggctgctgtt	aaaaaccttc	gacaccttct	gccctctggg	60
ccctgccttg	gtgaccaagg	acagtgtgagc	aggtaggttc	ctgatccctg	cccccttgta	120
cctaccattg	cacagatgaa	cagccctcca	gggaggagca	cgggttcagg	tacatgtggc	180
acctgccctc	cctggtgccc	ctttcactgc	tgactccata	cagggaaagt	tttttatcct	240
cagccacgag	ttctcccatg	ggcttccttc	ccaagccccc	tagagggaac	acaactgcag	300
aggatgtgaa	actgcatgcg	tgaagtaa	tacaaagaac	actgagctga	tgggtggatc	360
gggtctcctg	cggtgccac	catctgaaat	aatctaagtt	gagcatcatg	gagcataact	420
atcgcaaggc	ccaggcattt	tccacactac	agatgatagc	cagtgtgact		470

<211> 4623

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

 $\langle 222 \rangle \quad (462\bar{4}) \dots (1222)$

```
<223> similar to gi3327142 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400>	4579					
tttttttttt	ttcgcaggtt	tcaaaaactc	actttatttc	aatgtgaaat	gaggacgtga	60
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cgcccatccc	ccttgaaaca	aggtgtctgg	acggaccaca	cccataagcg	gctctccgca	180
aaccacaggca	gacgcccgtc	tcctccgggt	ctcaggggtg	ccacatcctc	ccccaccagg	240
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gacatcacgt	cggcacctgt	aactcccggg	atccgtaatt	gggccccgct	tccccagacc	420
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gccaccact	gggtcttgag	ggcccagcaa	gccaaccccg	acccctccgt	tcgggagcag	600
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ggagccgttg	cggtagatct	cgttcattgt	gcgctgcagg	gccacggcct	gctgggtcag	1560
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cccgtgcagc	accagcccga	tgttggtgtc	cagcagcgcc	atctcggggg	ggtcttcccc	1860
gaacaccagc	agcatgaggt	agcgggcgcg	gtacagcagg	ctcagggcg	tggacagctg	1920
gctgctggcg	aagcagtaca	gggccagggt	catgtatttc	tggatggtgt	tggggtgctc	1980
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gtagtcgccc	atgatgtagt	ggaggcgggc	gaggaggcgc	aggcaggcgc	aggtctccac	2100
gtgcatggct	ccgtagacgt	tgttaaacag	gttcaggggc	tcattgatga	gctcacagcc	2160
ctccttcagg	aagccctgct	gcactttggc	ctgcccgcct	tggagaagaa	ggaaggcatc	2220
cgaggccctg	gggttgacgt	gcttgaccac	ggggaagatg	ttgagcacgt	cctcctcggt	2280
gaacgcgggc	ttgtggcgac	tgtcgaagct	gtactccttc	agcaggacct	ggatccctgt	2340
tttcagcgag	atctcccga	ggagcgttat	cttctgcagg	ccgtaggtct	ccacagcctg	2400
gtccacgggt	tcacactcga	ggtcgaagtc	aaagtagttc	ttggcctcct	ggcagatggt	2460
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ccggtttttc	ctcctcttat	tcgccttctt	ggagaccagc	tcgtcggcgg	gcaggtgggc	2580
cacgggggtt	gggtaggagc	tcaggaagca	gttcaggaag	tggctgatgg	cggctgagag	2640
gccggagagc	tcgactccct	gtaagtacgt	cttgaagatg	tgcttggccg	agcgggtgat	2700
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caccagctcc	agcaccttgc	ccaggtagcg	catgttgatg	ccccgtggc	gcatacctc	2820
tgccagcggt	gccccgtcca	cgggcaggac	cgctgtctcc	atgcagtcct	tcaccaagcc	2880
agggatctgg	caggagagca	ggaaggcagc	cgctccttc	agcagctgct	tctgggtccg	2940
aacttcatcc	tggcaggact	cagggaaaac	aacccctggg	gagaagatgt	caggattgaa	3000
gcgaatgtcg	aaggcggtgc	tgtgatgga	gccgaccgcc	ttgcacgcgt	tgcggtcac	3060
ctcccggtc	cgagggtctg	tgccgtcgtc	tgcggcgatg	gtctctgcca	gctccttcac	3120
cttggccagg	ccgctggcgc	tgtaccctc	ctcctcactt	cccgcctcct	gtcctggagg	3180
atcctcagac	ttggactcca	aggaggaagg	accaccattt	tccagggagg	aggggggtctc	3240
cagctggctg	gcgtttctgt	gcatacagct	caaggcgggc	agcttcataa	agaggaggta	3300
cctgtgctcc	acgaaggcgt	ccaccagctc	ctggcgagag	cagcagagct	tgtgccggtg	3360


```

gataactgaat aaataccaac tgcccacctc ctccccacc ccccaaaca cacacacact 1020
ctcctgccct tgggggtgat tggagtgtga tttctcctgt cagttgtaag 1070

```

```

<210> 4582
<211> 1231
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (188)...(1158)
<223> similar to gi3462503 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4582
tttccgggtc gacccacgcg tccgccagga gaaggaagcc aacaggatcc gacccggtgt 60
tttgtgacaa aggcaagacc cccagggtcta cttagagcaa agttagtaga ggaggcagct 120
aggcgtggct ctcatcctt cccacagaat ggattataag tcgagcctga tccaggatgg 180
gaatcccatg gagaacttgg agaagcagct gatctgccct atctgcctgg agatgtttac 240
caagccagtg gtcacttgc cgtgccagca caacctgtgc cggaagtgtg ccaatgacat 300
cttccaggct gcaaatccct actggaccag ccggggcagc tcagtgtcca tgtctggagg 360
ccgtttccgc tgccccacct gccgccacga ggtgatcatg gatcgtcacg gagtgtacgg 420
cctgcagagg aacctgctgg tggagaacat catcgacatc taaaaacagg agtgctccag 480
tcggccgctg cagaagggca gtcaccccat gtgcaaggag cacgaagatg agaaaatcaa 540
catctactgt ctacagtgtg aggtgcccac ctgctccatg tgcaagggtg ttgggatcca 600
caaggcctgc gaggtggccc cattgcagag tgtcttccag ggacaaaaga ctgaactgaa 660
taactgtatc tccatgctgg tggcggggaa tgaccgtgtg cagaccatca tcaactcagct 720
ggaggattcc cgtcgagtga ccaaggagaa cagtcaccag gtaaaggaag agctgagcca 780
gaagtttgac acgttgtagt ccatcctgga tgagaagaaa agtgagttgc tgcagcggat 840
cacgcaggag caggagaaaa agcttagctt catcgaggcc ctcatccagc agtaccagga 900
gcagctggac aagtccacaa agctggtgga aactgccatc cagtccctgg acgagcctgg 960
gggagccacc ttcctcttga ctgccaaagca actcatcaaa agcattgtgg aagcttccaa 1020
gggctgccag ctggggaaga cagagcaggg ctttgagaac atggacttct ttactttgga 1080
ttagagcac atagcagacg ccctgagagc cattgacttt gggacagatg aggaagagga 1140
agaattcatt gaagaagaag atcaggaaga ggaagagtcc acagaaggga aggaagaagg 1200
acaccagtta ggagctggat gaatgagagg c 1231

```

```

<210> 4583
<211> 1680
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3)...(534)
<223> similar to gi4337174 in the genepept database release 114,

```

Run with FASTXY 3.3t00, default parameters

<400> 4583

```
aaatggtgct tctggatgga gggtgtgagt cttcctgcta tgtgagtgac atcacacgta 60
cgtggccagt caatggcagg ttcaccgcac ctccaggcaga actctatgaa gccgttctag 120
agatccaaag agattgtttg gccctctgct tccctgggac aagcttggag aacatctaca 180
gcatgatgct gaccctgata ggacagaagc tttaaagactt ggggatcatg aagaacatta 240
aggaaaataa tgccttcaag gctgctcgaa aatactgtcc tcatcatgtt ggccactacc 300
tcgggatgga tgtccatgac actccagaca tgccccgttc cctccctctg cagcctggga 360
tggtaatcac aattgagccc ggcatthata ttccagagga tgacaaagat gccccagaga 420
agtttcggggg tcttggtgta cgaattgagg atgatgtagt ggtgactcag gactcacctc 480
tcatcctttc tgcagactgt cccaaagaga tgaatgacat tgaacagata tgcagccagg 540
cttcttgacc ttactgagg cccacatgca cctcagggtt aaaaatgggtg tcttctggca 600
gccctgcacg tgtgctttct gagtgtctct gtgtgtgcat taatatatgc attccatttg 660
ggagcatagc agctgtgtga atgtatgtaa ttgtgtgtgg ggggtttttt gttttaagta 720
gttagaagtc tgggaaaatg aatttttgaa tagtatgtta ctgcagcttt ggtaacatta 780
attctataga attaatgac agagcaagtt taatttttaa acataaagggt cttggttaca 840
catgtccatg cattccagtt aacacattta aacatataga aaattcactt cttctttcaa 900
gtccttccct ttctatactt ttgctgagat caacccaata tcataagaag tttgtgtgat 960
gcctgtatth tttagctaatt accaagggtc ctgcctatgc aaaaattcat ctttcggtga 1020
ttgtgggagg ccaatacata ctttctgtaa ctccctcccta cctattctag atcctgcata 1080
tctactggag ccatatgagc cctcaggggc actggtgtcc tgcagtctta ctagtccagg 1140
acagtccagg ttccagcaac actagctacc taccaaaca aacacttctg agcttttctt 1200
gccatttggg tgcctgggac ctggaaagtg ttttagattct tgataaagat ggaaatggaa 1260
gagaaagaaa attatatatg tatatactaa agatccagac atcagggctg ggcgcacggg 1320
ttccgcctgt agtcccagca ctttgggagg tccaggcagg tggatctctt gagaccagga 1380
ggtcaagacc ggcctggccg gcgtgggtga aacactgtct ctgctgaaaa tgcaaaaatg 1440
agctgggtgt gatgatacat gcctgtggtc ctggctactt ggggggctga ggcattgagaa 1500
ttgcttgggc ctgggggggtg gaggttgagc tgagctgagc tcatgagact gcaactccagc 1560
ctgggtgact gagcaagact ctgcctcaaa aaaacaaata aataaataaa atcctgacat 1620
cctgccatct tttctcttca atttaaggtt gatttcttaa tgatgacttc aaaaattaat 1680
```

<210> 4584

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1599)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1598)...(1059)

<223> similar to gi4572464 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4584
agccaggata ggggggtgaga aagccaaggt ctggagcttg ggattgggtg gcactttctc 60
acatgctgtc ccttatgagt cgcccaagcc tccagggaca cagactctca gacagggccc 120
tgaaggggtc aatgcatcca ttctcaacc ccaagcagca ttttgtgcaa ggaaacggat 180
gaaaggcttt tttagtccct gaaatcctga gagatcattt cacgttgggg tccactaaga 240
cctcagacat tttactggat ttgtccttcc tccatcacct tttctcccca agagagctct 300
atgaggggga ggagaatagc cagcaaatgg tggggggggg ggggggtcaa acaagttcct 360
gtactcttta tccagcacat tcacattatt tttaaacaaa aaaatttttt ttaatttttt 420
ctttgggttt gtacaagaaa tttacagtgt gaaaaatata caagtgaana cgaggccata 480
aacctgggtg aaggggagag ctgcttggtc acaaacacaa ataaacaaga cttttctgag 540
ttcttccttt ggtctgactt cagcccccct actccaggag agaggctgca gagctcaaac 600
ctgggaaccg agcccaggcc cgcccctgtc cccaatgtg ggcaggcaca tccggagcag 660
ctgggtgcat ctggctttct ctggcttttg ggtcgggggg aatgtgaaga ggagggagcc 720
ccttcttctt cctgctccc ctggctggag tgggctggaa gcgcctgtga acaggggttg 780
cagtggcact ggcagcgtg gggaatgaag tgggtagtaa caacagcctc tgggtaacag 840
tgaacacggg gacctttgag ctgtctgac ttgtcctcc aagtcatagg gccaccctga 900
gttcttgga gaagcccaga ggcctggatc ctaggagaca agtggctttg gggccctcag 960
cctttggggc catccgtgga cctggggcc taagtggatc tgcagctgct gccctctg 1020
cagagctccc tacagagctg gttgctgagg gccctagatc tcagtagcag tgatctctc 1080
caggcagatg cagggggcct gctcggccag gcccaggta gcgagctccc gggcctccag 1140
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gtagtgtgct tgcagctgct tctggtagcg gatcacctgc tcttctctg cctgccaggc 1260
cagccgctcc cctcaaagc tgtcccgtg ctctcacc cgcgcggct cccgctgcag 1320
ctccaccgca aatcgtcca cctgggccc caagctgccc ccaaccccgg ntgctgccc 1380
ctgcactttg gcctcatcac tctctgccag gaggaatggg tcagcgggtg caggtggcac 1440
agggggctcc cggagtccgg ccgcctcagc atccaactgc ccagctttct cccgcagctg 1500
ctcagcttcc tggcgggtgc gctgcagctc ctgggaacag gcttccagct ccagctccc 1560
agctcgggag gcctcctgta gaccccgcc acggccct 1598

```

```

<210> 4585
<211> 2148
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (237)...(789)
<223> similar to gi2734081 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4585
ggcacgagt aacctcaaat tgatggaaag gtcattgcat agtgaaggta aacctgattc 60
actattgcct ggtaatgtca gatatagtta taaatgaagt cagtttcatt gaaagttaaa 120
tgaagggttag gaaaaataat gatgcttatt tactagacaa gaacaaaatt aatatggatt 180
gtttcattag ctgtttcttt aaaaagatgt taaccaccct catgttttca cattcaggta 240
tccttagtct gttggagcat ggagaagagt acacattttc tctaccctgt gcatatgctc 300
ggtcaatttt gactgttcct tgggtagaac tgggtggcaa agtcagtgtc aactgtgcaa 360
aaactggata ttcagccagc atcacttttc ataccaagcc attttatggg ggcaaactgc 420
atcgggttac agctgaagta aagcacaaca tcaccaacac tgtggtatgc agagtgaag 480

```



```

gggaatggaa tagtgttctt gagttcacat atagcaatgg agagacaaag tatgtggact 540
tgactaaatt ggcagtgcag aagaaaagag tgagacctct ggagaagcag gatccatttg 600
aatccaggcg attgtggaaa aatgtgacag actcgctgag agaactctgaa attgataagg 660
ccacagagca taagcatacc ctggaagaac gtcagaggac tgaagaaagg catcgacttg 720
aaacaggcac accttggaac accaaatatt ttattaaaga gggagatggc tgggtttatc 780
ataaaccact ttggaataata attccaacaa cacaaccagc agagtgcacac atactatcta 840
aaactcgacc aaatgagggtt cttctctgtt taccctaaat cctcccagaa tggagtcatt 900
gcactgagtg acctgcttcc tgattgcgca gactgaaact agctaaacct gaatgtacct 960
actagggcac cataatactg cagcaagacc aaagtggtaa agaaacacag tggacctttt 1020
accaacctgt tcatgtgatg tgagcaatac catcttaaaa cttgttacct gaatcagtag 1080
atgaatcttt tatccagttc ttgctcctaa agttaagttt gaatccccta tttttgcaca 1140
ggggcagcag atacacacaa caatgagaac tcagtgcact tgatttcttt gtagtgaaaa 1200
gtgaagtctc cgtttcagag ttgtgtctt tctttctgtc cataactgaa gtattcacta 1260
ctcttgtaaa ccaaccaaga ggaggagaaa gatgaccagc aagtggattc agccattgtg 1320
cctgaaatca gtgtttaaaa aaaaaaatca accagggttg ggtaacaagg cattctattt 1380
cttcaaaaag actgtatgcc tgtgtctgag gaacttacct attatccacc tctgttggaa 1440
ctctctttta aaaagtacat ttatagattg atcagaatta taacctgga gaattttttc 1500
ttctgagcat tttaatatac ttgaaaacaa cattgacttg aaaaatttca gaacattttt 1560
cagtacctag ttttattaaa tattacactt gagagacact ttttaaaaat gtgttaatgt 1620
caatatgatg agatttttagc ctttctccag aactaaggca ttaaagaaaa tagcaaatat 1680
taaaaaataa aactgttact ttttctctc tttcttttca ctttaggtt aatatccagt 1740
attatgtgtt atcccttttg ataagtatgc tttattttac ctctgttaaa aattaaaata 1800
aatgattcta ttcataattt tcagtaattc aaaacttata tgtgtaactg aacgcgcatg 1860
taaggatatg ttttatttat ttattttttt tttttggggg aaattttaat gctaaaaaac 1920
caccaaatg aaagggtatc aggaaaaaaa aatcaggaag ttgttttcgg gcccaaatct 1980
ttttttaaaa aaaaatttgg tgggggtgaa aaaattgctg gcatttaaaa aaaaaaacct 2040
aataagggtc tccaccatcc attcatggta tttattgagc acctacttat tatggtgctc 2100
caacacttgt tactgcaagc taccttaatt tcccaagagt ggtgcctt 2148

```

<210> 4586

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(151)

<223> similar to gi2072963 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4586

```

attttgtatc cagcaaaatc aaacttcata tatgaaggaa agatacagtc tttttcagac 60
aaacaaatgt tgagagaatt tgtcactacc aagccactaa aaggagctct aaatcttcaa 120
acaaatcctg gaaacacatc aaaacagaac ctctttgaag cataaatctc acaggaccta 180
tcaaacaaaa atacaattta aaaaacacaa aaaacaaaaa aaaatgtata caggcaacaa 240
atagcatgat gaatggaata gtacctcata tctcaatact aacactgaat taaatggcct 300
aaattctcca cttgaaagtt acagaattgc agaattggata agatttcaca aactatatgc 360
tgccttcaag ag

```


ccgggaagaa	aacgaaaacc	actttccagt	aatatatggc	attgctgtca	acattaagac	600
tgcagagatt	tacagagcat	cctttcaaga	tgggggtccg	gaggagcagc	ttcgtgctgc	660
gcgaacttta	gcaggaggac	caatgattag	catttatgat	gcagagacag	aacaacttcg	720
tataggaccg	tactcctgga	caccatttcc	acatgtggat	ttctggttgc	accaagatga	780
caagcaaata	ctagagaatc	tttccacttc	gcctctgggc	tgagccaccc	cactttgttg	840
aacatattag	atctaccttg	atgtttttta	aaaaacaccc	atctccagct	aacacactgt	900
ttcctggaaa	taaagcccta	ctctacaaaa	aaaatgaaga	tggttgtggg	gaaaagatct	960
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ccattggtgg	ggctggcacg	aatccagatc	tggatcctac	atctgttggg	tcttaggcct	1080
ccttcctcc	tcagtgtctt	tcaaatagat	actttcatca	aatgactttc	aaaataaaac	1140
cttatttttg	caaaggcatt	tgttgagact	tatttttttg	tttactaaaa	aattgatgtc	1200
cagttttttt	ttttggtcgg	taataacggg	cagaggagaa	cctacctctc	actggtctat	1260
cggcagctat	ttcaggtacg	tgggtaagtc	ttttgtaata	agatttataa	actgaattca	1320
ctggtaacaa	tttcaagacc	ctttattgaa	cccaccattc	aaataatatc	tcaagggtga	1380
aatgtttcag	caaaaccaat	ttaacaattc	caaatatata	taaaaacatg	taattttctt	1440
gaaggtgata	atttaccctt	ccccattttt	atctgctata	cttcattgca	ccaaataggg	1500
aagactgttt	aatcatttgc	acaaaaaaaa	aacccccctg	attttgacaa	gtgtaaatgt	1560
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agggcagtag	aagcttcagt	gggagacagg	tcaaaggggt	acttgttttc	agattttaac	1920
caggtgggtg	ctacgtagca	cacggaagag	caagctctta	agggtagcat	ctatcagggt	1980
ttcagatact	aaacagaaat	gagcacagtc	tgtacttgtg	tgccaatttt	aaaagctttg	2040
ccagtattta	aaaatatatg	gtcaggagga	gactttacag	tttctcttta	caaacgggat	2100
ataatgggag	aaatggcctt	gtggcagagg	acagtcccag	acagcagcct	tgccacagct	2160
caagtagaca	cagtccttac	taagtctcca	cgaagagcag	tagctgggga	gggcttctga	2220
tgctcttatt	tacaatccca	caatcactgc	tctccttcaa	gtctagcagt	cccactgtat	2280
attgcaactt	gatcgtacta	aagaccgaca	gcaaaggata	cagccagtct	cgcctctgtg	2340
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cctagaaagc	ctacctttca	ggcacatatt	tgtgccaaaa	ttccagtga	gcacaaacaa	2640
cagtaattta	tattagtatg	tggcacagtt	cacatttcca	atagaacttc	atcttccctg	2700
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gatctgctcc	ggcccactgg	ataggcgctc	caccttttct	aagtcttcaa	tatgactgac	2940
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tatgcaggct	acgagctgat	ccacatcctc	tccccagatt	cctaaaactg	ctgcggtcat	3720
caaagggctg	aaccgcaaac	acgtgccctc	agcttccaga	tccatgactg	tgaggccgct	3780
tgcaggcacc	agctgcttca	gctgttctcc	cagccagcga	ttcagcgctg	cacacgagtg	3840
cctctcccgg	ccgactcctg	aaggtgtcat	gttgggcact	gggacggctt	taaacaccgg	3900
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ttccaccaag	atTTTgatgt	aattcacttt	cttcaaactt	tcttgcaacc	gttgactcag	4020
ttgacaggca	tgcttgatcc	tctccacaaa	cccatcaagt	cccaagtatt	gtaaagataa	4080
ccacagaggc	agggcacgga	gtttgtctgt	gggcttattt	gatgtaagac	cagcaactaa	4140
agtcaaggca	gggtcatcgt	gtttatacag	tgtcaccgca	ggaacagctg	gcaaaccag	4200
ccacggggcca	ggagtcacgt	tcatgctatc	acatttggtt	gcagccagca	ctgatgagga	4260
gacataaccc	agagccaatg	ttgccagatt	cacaccctcc	acatgaagcc	atatgccata	4320
ctgctcacag	agttctttca	atctcccaat	cttgtctgtg	tgctcctactg	ctgccgttcc	4380
tgcatTTgcg	acaagcaaca	ggggcagttt	tctctgctct	atatcatctt	taatcagttt	4440
ctccaggaag	gcaacatcca	tctgatgctg	ggatccaaac	acagtgttac	agggtagacg	4500
gcacaagcag	gggaaggggc	agccgagctg	attacaaagg	tattggccca	ggccaggtct	4560
agcagcagca	ctaagatata	tgacaggctt	cttggttatat	aacacattga	agccatccac	4620
tacgaagtct	tcatatcgag	aatgaatggc	aagcctacat	atctttgcaa	gtccttctct	4680
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ctccttcaag	ttttttccca	tttcagctaa	cgtgggggtct	gctatcttct	ccagggacgc	5100
gtccatggct	gaggcgggcg	gtgggtggct	ggcggtcccg	ggctctactt	cctcctcccg	5160
cgccccgcag	ctccttccac	gctggcagcg	ctgacgtccc	cgc		5203

<210> 4589

<211> 1117

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(729)

<223> similar to gil397319 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4589

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ttacgtgaaa	tctcgagatg	atagtcaact	aaatggagat	tctagtgtctt	tgcttaaatcc	120
cagtaaggaa	tgtgaacctt	atcgaagaaa	tgaagacaaa	ccaattgtctc	cttgtggagc	180
tattgccaac	agcatgttta	atgatacatt	agaattgttt	ctcattggca	atgattctta	240
tcctatacct	atcgctttga	aaaagaaaagg	tattgcttgg	tggaacagata	aaaatgtgaa	300
attcagaaat	ccccctggag	gagacaacct	ggaagaacga	tttaaaggta	caacaaagcc	360
tgtgaactgg	cttaaaccag	tttacctgct	ggattctgac	ccagataata	atggattcat	420
aaatgaggat	tttattgttt	ggatgcgtac	tgacagatta	cctacttttc	gcaagttgta	480
tcgtcttata	gaaaggaaaa	gtgattttaca	tccaacatta	ccagctggcc	gatactcttt	540
gaatgtcaca	tacaattacc	ctgtacatta	ttttgatgga	cgaaaacgga	tgatcttgag	600
cactattttca	tggatggggag	gaaaaaatcc	atTTttgggg	attgcttaca	tcgctgttgg	660
atccatctcc	ttccttctgg	gagttgtact	gctagtaatt	aatcataaat	atagaaacag	720
tagtaataca	gctgacatta	ccattttaatt	ttatattatg	aaagcaaata	atctgcatgt	780
gcatcaaggc	cagtcctatt	caacctagct	ttcgaatgct	gatattctgg	tagtatgtca	840
ttttgaaggg	ggcacataac	ttttctaaaa	aaaagcagtc	tttgttgttt	gcttcttccc	900
tacggatgac	ttctaaaaat	atatgacggg	tataaaaaaa	ttagctatat	tgatcatatc	960

```

aacactgtaa ctgctgaaat ggcattctaa tgtttgcttt ttattcggac aggccacatg 1020
atgcatagag cctctttcat gtgacttggtg tctactgctt aaatctttat gctgtgttga 1080
tgatattata ttgacatatg aagctgtaaa aaaaaaa 1117

```

```

<210> 4590
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(326)
<223> similar to gi2072963 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4590
ggaatattat ttttaaaacta cagaaaaatca aagataaaga agaaaaacct tgaaagaatc 60
cagaagaaaa atatatatat ctttcctagc aaagaacaaa aaattatatc tgacttctcc 120
cttagtactc atgcaagaaa agagtggagt gacatgttta cagtgttgag agaaatagaa 180
caccaaacta gaattctgta ccctgtaaaa atatccttca aaagtggag agaaataaaa 240
acttttctca acaaaaaaatt gaggaattt gtcgccagta gacttgcctt gcaagaaatg 300
ctaaaagaag tcttttcagag agaaggaaaa taacataggt cagaaacttg aacctatgta 360
aagaaaagaa 370

```

```

<210> 4591
<211> 1980
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1815)...(681)
<223> similar to gi3877204 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4591
tctaggggaat ttggccaccc taggcagaaa gtggtaataa cacagtcagc tcttgattgt 60
tctaataataa tggccaattt gcatattatc cacgtctttg accagttctt ctttcttctg 120
tggcttttct ttttagtcatt acatttacag ctcaccaat atagtacaga agggatattc 180
aaattttgca acttgttgga tgaagaaggt ccttggggag gagactgaaa ctactgattg 240
aaaaatcagg tttataaata atttgaacat ttcatttctt tgtaattgac atatacttct 300
atatataatt atgagtttaa tgaagtgaga taatttaaga tgatcacaca ataaaacttt 360
acagccaaaaa tacaaagtct tcatcttatt ttcctacttc attttttttc atgttcttag 420

```

taagtgcatt	tttctacttt	attttttgaa	aagaacattc	atttttgaaa	agtttatttc	480
accaaggacc	aatcttttgt	tgatgttcaa	atttaaattg	ttctttcata	tctgtctcat	540
aggagaaaaa	catgaaaaat	tgcttctgtg	gtagtttctt	ctagggtttc	aagtactctt	600
atagtagcaa	ctggttcaaa	atactgcttt	gtttcaaagc	atacagttta	gatgtatctt	660
cactgatgat	gggaacattt	tcatttttgt	cctgagctgt	cagggtcactt	tcactgtcag	720
atagtgta	caggagagtg	tcattttcat	aggttggaaa	ataatactcc	agttgatccc	780
acgtctttct	atcggggagc	agcgaagtgt	gtttagtttc	ttccatgtga	gttcttaagt	840
ctgctttgga	tttgaacttc	acatggcagc	cataacatct	gcattgggtga	acttgccctcc	900
gaataaaaat	gaccagtttc	acttgctgat	agaaatttaa	tccaagttct	gactttattt	960
tgagaagatc	aaattcgtgt	gcatacctca	tgtggacata	caactttctca	attgtttctg	1020
cttgcttttc	acaaaaataag	cagactgcag	aggcaggggtg	ttcttcccaa	tcagaccagt	1080
catcttctctg	atgggtccagc	aactcccgat	catcttccaa	ctgaacttct	tcccacgatt	1140
ttccaagttc	caaataattg	atgacataaa	atctgtcata	ttctctgttc	ttaggattaa	1200
tcttacgatg	ctgttttttc	ctcatgtgat	ctttaagtgt	atttttgtcc	ctgaagggtct	1260
tctcacagta	caagcactgc	aaattgtcaa	gctttttctg	taatgtacac	aaaaattcat	1320
tgacagttac	aatgttgtct	ggcaatccaa	tgttgaaagc	atgttctctg	gccatgtggg	1380
tcaaaaataac	agatctgttt	ccaaggaatt	cttcattgca	aaacatacaa	acgccatgaa	1440
aattgggtatc	atttcgttct	tgctgctgtt	gttcocagaat	ttctctcagt	ctctgtttct	1500
gaagctcttc	tctaagaatt	ctatcttctg	gtaaaacgtc	acataacaaa	aaataattct	1560
ctgtttcttc	aaatggagca	gtggaattaa	ttcttattac	actacaaaaa	tctgtgatgg	1620
gtgtttcagt	gaaccttttc	ttccaatata	aaatgtacct	ttggaaatca	gcaaccaact	1680
tgacatcagc	tatgacaatc	tctatgtcaa	taatcatgtg	cttcagaagt	ttgtcttggt	1740
cagccacaggy	aaaatgttct	tcacagaaaa	tacaaggcac	agatggagaa	ccttctaagg	1800
tggtggtgcc	acctggactt	tctggcaggg	aaagcggctc	caggatacaa	tccttactgt	1860
ccccataacc	tacacccccg	actgtgctgc	agctcccatc	acggtcttcc	tgatttcggg	1920
cgacagcccc	ctgggtcttg	gaagcagcca	ttaccgcggca	gaaaagaacg	gacgcgtggg	1980

```
<210> 4592
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(380)
<223> similar to gi3413870 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4592						
gcacagaggt	gctaggcagc	aaaggcattc	atgagcttcg	gagcagcacc	agtgccttgc		60
accatgccct	agaggagtgc	gcttccctcc	tcaccatggt	ctggagagcg	gccctgccaa		120
gcacccacat	ccctgtgctg	cctggcaaag	tgggagaatc	aacagaaagg	gaacttctgg		180
aactgagaac	caaagtatcc	caacaggagc	agctccttca	gagcacaact	gagcatctga		240
agaacgccaa	ccagcagaag	gagagcatgg	aacagttcat	tgtcagccag	ctaaccagaa		300
cacatgatgt	tttaaagaag	gcaaggacta	acttagaggt	aaggaaacta	ctgcaccagt		360
cagaggcacc	aagcctgtcc	cccacccatc	accatccgtt	agcagatctt	gtaggtgact		420
cttggcctgc	tttgcgcttc	caggagaag					449

<210> 4593
 <211> 2886
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (129)...(1314)
 <223> similar to gi2651302 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4593

gtcttcaatg	gtgtggagag	ccaaaacgtt	tagaaaactga	agcttctact	gggcaacagc	60
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gccctgcatg	ccttgtgaag	gtttatgaag	attgggattg	tttcaaagta	aatgacattc	180
ttgagctata	tggcatactg	tctgtggatc	ctgtgctgag	tatactgaat	aatgatgaaa	240
gggatgcctc	tgcactgctg	gatccgatgg	agtgcacaga	cacagcagag	gagcagagag	300
tacacagtcc	tcctgcttca	ttagtgccga	gaattcatgt	gatcttagcc	cagaagttgc	360
aacacatcaa	cccattattg	cctgcctgcc	ttaacaaaga	ggagagcaaa	acctgtaagt	420
ttgtttcaag	tttcatgtcc	gaattgtctc	cagtcagagc	agaacttctt	gggttcctta	480
ctcatgccct	tctgggggat	agtttggtctg	ctgaatacct	tatattacat	ctcatctcca	540
cagtatatac	aagaagagat	gtccttccac	taggaaaatt	tacagttaac	ttgagtgggt	600
gccacaggaa	tagtaccttc	acagaacact	tgtatcgaat	tattcaacat	cttgttccag	660
catcttttgc	tctgcagatg	actatagaga	acatgaacca	tttgaaattc	attccccaca	720
aagactacac	agccaatcgc	ttggtcagtg	ggctcctcca	gctgcccagc	aatacttccc	780
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tgacagccct	gagcaacctc	ataacgtggc	agaagggtgga	ttatgacttc	agctaccatc	900
agatggaatt	cccctgcaat	attaacgttt	tcattacttc	ggaggggagg	tcactcctcc	960
cggcagactg	ccagattcac	ttacagcccc	agctaattcc	accaaactg	gaggagtaca	1020
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gccacataat	tgtaaaattc	agatattcat	ttataccaca	ttgttttata	ggtaatttct	1440
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ttcagtaagg	acttttacct	tactgatttc	atggagcttt	tgaagtttgt	tttataataa	1560
ttatataaat	tagtaatgat	gtaaaaaaag	tatttgatat	taaaagttta	atattgataa	1620
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ctgaaatgaa	gaaggttggt	gcagtttcaa	agtcagagga	atcgtgcttc	ggattttcta	1740
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ctttggggaa	cggaggcgta	cttgccattg	attcacatga	ctacatgaaa	ttctgtactg	1860
tcatttccca	gatgtttggc	cacagaaact	ttttccact	taacatttgt	taacagcctg	1920
caaaactaaa	cttgtacatg	gcagtgggtc	ccagactttt	gtattttatg	gaccggtagt	1980
aatatttcca	aaaatctggg	gtactataag	gttgccaatt	taccttgcca	agtaatccga	2040
ataaatcact	gtattatcac	catttttttc	ataaaaggaa	aggacaatct	atctctgaat	2100
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gcatttttta	tgggatcatc	agttgggtcc	aagtatgtta	gatcagctaa	catctgctac	2400

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ggtcagcctt	gaaaaatcaa	ggaattcatt	gtacctaata	actgaagtaa	aaataactag	2700
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gaaataaaaat	gaaggcttca	ctggattttg	gaggataaaa	tacattttct	ttaattgtcc	2880
tagagc						2886

<210> 4594
 <211> 6583
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1797)
 <223> similar to gi3043572 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4594	
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catcttggag	cacatgttca
cggcctggac	gcggtgctgt
cgcgctggcg	ctgggcaact
agagaagcgc	gcagccgagt
tcggctgcac	gcctgcctcg
ggtggagcgc	tcgggcacgc
ccgcttcgcc	cgctgtctgg
cctgcagcgc	ctcgtgccgt
tttctacctc	tgcgccgagg
cgacatcggc	gccatccaga
gtcggcgctg	gccaagcgcg
gccctccgtg	cccagctgga
ctccaagtac	tgcgagagct
cacggaggag	gaactccaga
ctttaggagg	ctcacggagc
cctggcggac	tggctgggca
cagctgcggc	ctggaccgct
ctgcggcatc	cacctgggcg
acactccccg	ctgccctgta
cagctaccgc	cggaaactcag
gcatggcttc	agtgtcttca
actcatccag	agtgtcatgg
ggacaagtgc	atgcaagacc
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cagaggctgg	tgccggccgg
tgccgccactg	tgccgccactg
gacgcatggt	gacgcatggt
acgagctgct	acgagctgct
tggagcgcgga	tggagcgcgga
tgagaccctgg	tgagaccctgg
ggcccgacga	ggcccgacga
gcacacaaagc	cagggccgcg
gagggcgagc	gcacacaaagc
ggcaagacca	aggtgttcag
tactctacca	atggcactaa
gaggtgccac	ggcccatcct
tggtgcagc	agatcggttt
ggcgacctgc	ttctgcggtc
ggcatcacc	gcaagagggt
tctacgtgcg	accgcagcaa
cagtacacct	acggcctggt
gagcagcagc	tgctggaaga
acggcgggcca	gagaaatgct
gacactccag	atgtcttcat
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gcaggcaagt	tcgaggacaa
gtgctatcac	ctggagcact
cataaggaga	ttgtgactgc
ctgagcccca	ctgagcccca
ggtatcaagt	ggtcccacga

ccagctgcag	acctccagtt	gcttgggtgtt	cactttgctc	ctcttgcctt	ctgtcttctg	5160
gtccaggcag	atcaggggct	ctgggggaaac	tgctggaact	cgagggtgagg	atcagccttt	5220
tccagcatcc	tgtgagagac	cagagagaga	gtttggattt	catgtgggga	accctcaagg	5280
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atggccaggc	tattcacaca	ggccacagca	gaaaagagag	cacctgtgaa	gaaataaata	6300
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tgtgaccggc	gagtagtcac	ttaacctatg	tctccccttc	ctcaccagta	aatcctgcta	6420
catcatgtac	tgtgacaagg	attcagtaag	gtcatatgtg	gacagtagct	ggcacagagg	6480
ggctactaaa	caaatggctg	ctattaaatc	cacattaaaa	gtacatgtga	tctgacagaa	6540
cccagcacat	aaaagaaaaa	aaaaagtaca	tgtgatattg	tct		6583

<210> 4595

<211> 927

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (16)...(517)

<223> similar to gi5911846 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4595

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ttggagggtga	gggagctcag	gcactctatg	acaggttgca	aattcaagtt	ccgcttttgg	180
agcaaccctt	acttccagaa	caagggtgata	gtgaaggagt	atgaatgcag	agcctcaggc	240
cgagtgggtg	ctattgcgac	tcgcatccga	tggcactggg	gccaggaacc	cccggccctc	300
gtacacagga	accgggacac	tgtccgaagc	ttcttcagct	ggttttcaca	gcacagcctc	360
ccagaggccg	acagggttgc	ccagattatt	aaagatgacc	tgtggcccaa	ccccctgcag	420
tactacctgc	tgggggatag	gccttgacga	gccaggggag	gcctcgcaag	gtggccacag	480
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gcgctctgtt	gtctgctgtc	tgctgtctgc	tgtctgctgt	ctgttctgtg	cactcccgtc	660
ctgcgtgggt	cgggtggactc	agctctcaaa	ttgtggccct	cgtggccagt	ctctactgtt	720

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gaccgtggcc	atcccagcca	tttttgacaa	gggtaccac	aagtcactac	ttggaggaca	900
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<210> 4596

<211> 5564

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2224)

<223> similar to gi5689557 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4596

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ccaaatggca	aatatattgt	aacaaaatag	cccagaggta	ttttatctgt	tcaattcata	5520
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<210> 4597

<211> 1485

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (307)...(964)

<223> similar to gi2224673 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4597

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agtgtgagaa	cagactaata	caagtagata	ggtatctttt	aacttgtttc	cagtgactct	300
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aaataatttt	atatgaatga	attagttgga	tccagtaata	taataaaaaag	aaaaaggaaa	1260
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ctactctctc	cccaccaata	acattgaatt	atccagaatg	tatactgact	tagcataata	1380
gtttagggtgt	atatgaagag	aaactatttt	tgttttttgg	tgtcctgctg	cagaatttagc	1440
ccatcttctg	tcacctgcag	gagatgtgta	aacataatga	acctg		1485

<210> 4598

<211> 1586

<212> DNA

<213> Homo sapiens

<220>
 <221> misc feature
 <222> (1585)...(1145)
 <223> similar to gi2921092 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4598
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<210> 4599
 <211> 1887
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1665)...(423)
 <223> similar to gi5002565 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4599

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ataatgagag	aaccgagtta	ctgagagggt	aaacatctca	cagttcttat	ccactatggt	180
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<210> 4600

<211> 1621

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(865)

<223> similar to gi3901268 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4600

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gaggcaaaat	gagggacctt	ttcacacccc	atttttagatg	gacaactttg	ctgctgtggt	180
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tgctggaatc ctctgtgtac ctgactctgg cagtttacag tggctgctgc ctctggctg 720
ccctggcctc ctgctttttg ccatttgaga ccaaaggccg aggactgcag gaggccagcc 780
accgggagtg gggccaggag atggtcggcc gaggaatgca cggcgcaggt gttaccaggt 840
cgaactctgg ctctcaggaa tagtgaccga tgggggactg agctggctct tgaggctgca 900
gagcttgggg ggctggcagg cccaactgg ggcactgatt gtcactgccg acatcaagaa 960
ctcacccaag agtatgacct ggaccaacag ggttttgtgt cttgactcag tttgtctatc 1020
ttcattgagg tccacccagg gatggggaga tgtttgctct aggggggtct ctgtatatgt 1080
ggtgaaagct ttgttcataa cctgtggatc tacatgggaa gactacccat attaggagg 1140
tctggtaatg ccagcaacca atcagacacc acccagagtc acccgccaa accctcagt 1200
aacaaccaa atactctct gtagataccg tccaggctca ggcccatgtg acacctgtg 1260
tccaccacc ggacctgttc agtaggtttc tccacacccc acagcccag gctttcttct 1320
ttgaaattgc aggcgatcta ggtgtggtct gagcagctat ttctggcag gggcccccg 1380
gtttgcctcc ctagagcctg accagtggat tctctggcag atggacatgg tgcattcaaa 1440
ctggagccac atgccccac ccagccccct ctggagttgc cgttggtggc accaagagat 1500
ccagatgtgt ccctggggac agctggctct gcaccagggt acaacctcag aacgccgtta 1560
ccccctggga actgaggact gaggccaaag tgaatcaagc tgaagtcaga gcacgggcct 1620
c

```

```

<210> 4601
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)...(155)
<223> similar to gil77872 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4601
aaaaaaagtg tttattcatc aagtctttta agatacaaaa acacgtgtcc cagtaagaga 60
tctgaaacca gccatagtga aagtctatga ttactacgag accgctgact ttgcaattgc 120
tgaaaacaat gctccttgca gcaaagatct tgtttatgct tgaagaccac aaggctgaaa 180
agtgccttgc tggagtcctg ttctcagagc tccacagaag acacgtgctt ttgtatcttt 240
aaagacttga tgaataaaca cttatttctg gtcgggggtc taaaaaaata attggtggga 300
aacctaaaaa actgggcttt gggaattttt ttaaatttaa actttcccc aaatcaaaaa 360
aggccccggg gcttggggcc cccttctcca agaaatggat taacgggggg a 411

```

<210> 4602

<211> 1473
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1473)...(573)
 <223> similar to gi35019 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4602
 tttttttttt ttgaagcggg ggcattactt tattcaggca gggactagcc aggcagggcc 60
 acagcgtggc agggatgggg ggagtcagca catgggagtg ccgtcacctc cattagccac 120
 aggccagacg gccaggagg gcggtgctact gcagtgagat ggtgcactac tgcagtgagg 180
 tggcgcaggg ctggtgagct tgggcacaaa agccagcatg tcacctccc tttggagaag 240
 cctctggggc acaggccttt tccagctgac gggatgcgga gggaagggga cctagtacta 300
 tcgggattca gctgacttag cctatgagat ggagcaggca agagattccc tttgcagggt 360
 gggaggttat attcctacag cctccattct tggagtaggc tcctttgcc cacccttttt 420
 caccttagcg ggccaggcct ctccagccaga aaccatatgt caagagatcg taagttaaga 480
 gtgctgctcc tgagcaggga gcgggcttgg aggcgtcctt cccctccccg cacccttaag 540
 tccccagtg cgggcagatg gtcttttctt agtcctcccc tgaggaccag gactctctat 600
 ctccctccct ctgagtgaac ttccaggaact gaccctggcc cagggtgaaca ggagcccctg 660
 cccaagaggt cttcagagca ctccccctct cctcctgaaa ggggctccct cgggtctccct 720
 cagagactag cggcattcct tgccccactt cctcagactg ctccagcccg ttcattactc 780
 cccattcac atgctgtgac ttccccctca agttgggacc ctggccatta acaccaatga 840
 tgtctgcccc tgggcctgca tctccatcc cactgggat ctctagaggg ccagggactt 900
 tgtcctccct ctccaaggaa acagggtcag actcttctct tgagccagaa ggctcagcac 960
 tgtcctggga ctccgtttcc agggcagtc tgggggcacc agccactgca cccctcaagc 1020
 tgtcatcca ggggacactg acactcacag aatcagactc caggaattcc cctctctggg 1080
 agctactcag ggcctggagg ctgccaacag aagaccctgg ccccccaccg ccagcccctg 1140
 gctccctccc ctccctctga tctcctctc cctcctcccc actttcttcc tcatctgcaa 1200
 acccatcaga ctccccatct cgatcccagg ctgcaggatc cagtagcagc tggggcacct 1260
 ggcccagagg ttctgccacc tccccaggga ccccaggaag aaaagggtgcc tcagtcccca 1320
 ggtcctcaaa ttcttctgac aggtcagagt cacggccaca ctcttttct cctcctccc 1380
 cctcctcctt ttttgagggt ggggcctcaa ggccctcgga agccaggaca gcaggatccc 1440
 agccctcctt tccagtctcc ccttgagggg gtg 1473

<210> 4603
 <211> 227
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (216)...(130)
 <223> similar to gil340146 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4603
tttcgtattt ggttcaaggc ttgttaggat agttaagaaa gctgcctatt ggctggaggg      60
agaggctcag gcagaagccc tattactttg caagggggccc ttcagaagtc gctgggctca      120
gaaggctctt agtcgtactt gagagtgagc ctttcgaaga gatactcgcc cagcccagcc      180
tccgggccac ccagcctgtg gaggttggtc agctggctgc tcctgct                      227

```

```

<210> 4604
<211> 1251
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1194)...(366)
<223> similar to gill177358 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4604
tttttaagag gttcatgaca caaatatatt tatattaggt gaatcaatca cccaggatac      60
ccaagatctg atactttcac aaactgcttg gaggcaactt aagtatggaa gaagcttcag      120
aaccagccca gctttctgct ctctggctcc aggctgcatc ctttttaact atttaatgtg      180
gcgtggaaaa tgtcagcata atgaggcttt ctcatctcaa tagagaacct aggaaggaca      240
aggccgaatt aaaaaaaaaa tcttcattaa agaatttaat agggagttga ttatgttgta      300
gaatcatatc gtcctattct gtgacacatt agaaacataa actttagggc tttttcatct      360
ccacagcata gaggtctgat cgcttctgtc taaaaacggg gatttgctgg cgtatttcag      420
ccagcttctt cagggtctatg tctgaataca cgattgcttc ttctgtgcca gctttggcta      480
gaacctcccc ccaagggttc accacggtgc tgtgtcccca ggcaacatag gaggctttgt      540
catcccgggc aggagaggct gtggccacat acacctgatt atcaacagcc cggcttcgct      600
gaagtaactc ccaatgggct ggtccagtgg tcagattaaa agctcctgga tataccaaca      660
gctggcagcc tctctgtgcg tagatttggt caagctctgc aaaccgcatg tcgtagcaga      720
tgcccagacc cactctgcag taaggagtat caaatgtgga gaaactatca cccggactca      780
atgtttttaga ttcttgaaat gtaatttttc caggaacatc aatgtcaaac agatggatct      840
ttctatactt tgctagtaaa gttccatcag gcccaaacac agcacagggtg ttatataatt      900
tcccagcatc ctcttcaggg atagagcctc caatgagata tatgctgcat tcctttgcta      960
cttcagaaag cttctgtgtg gattcaccag gaattttctc tgcataattca ggaaaatatt     1020
tcgctccata tggagaatta aagcattccg gcaaagaaac tattttggct ccttgcggtg     1080
ctgcctcccg gatgaagcta caagcgcgag tgacgttatc tgatttgatg gaagaaatct     1140
gaagctggat gagggccaag cggaaagagg tcatgactct gcagacaagc accacctgcg     1200
gcgcggaatg agcgtctggag atccggcgga ccgcggcgctc gctacacgaa a             1251

```

```

<210> 4605
<211> 1149
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (12)...(885)
 <223> similar to gi2121220 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4605

acaggagccg	agtgggtatct	ccggtgatag	atgtgattga	ctggaagact	ttccagtatt	60
acccctcaaa	ggacctgcag	cgtgggggtgt	tggaactggaa	gctggatttc	caactgggaac	120
ctttgccaga	gcatgtgagg	aaggccctcc	agtcctccat	aagcccatc	aggagccctg	180
tggtgcccgg	agaggtgggtg	gccaatggaca	gacattactt	ccaaaacact	ggagcgtatg	240
actctcttat	gtcgctgcga	gggggggaaa	acctcgaact	gtctttcaag	gcctggctct	300
gtgggggctc	tgttgaaatc	cttccttct	ctcggttagg	acacatctac	caaaatcagg	360
attcccatc	ccccctcgac	caggaggcca	ccctgaggaa	cagggttcgc	attgctgaga	420
cctggctggg	gtcattcaaa	gaaaccttct	acaagcatag	cccagaggcc	ttctccttga	480
gcaaggctga	gaagccagac	tgcatggaac	gcttgagct	gcaaaggaga	ctgggttgtc	540
ggacattcca	ctgggttctg	gctaattgtct	accctgagct	gtacccatct	gaaccaggc	600
ccagtttctc	tggaaagctc	cacaacactg	gacttgggct	ctgtgcagac	tgccaggcag	660
aaggggacat	cctgggctgt	cccatggtgt	tggctccttg	cagtgcagc	cggcagcaac	720
agtacctgca	gcacaccagc	aggaaggaga	ttcacttttg	cagccacag	cacctgtgct	780
ttgctgtcag	gcaggagcag	gtgattcttc	agaactgcac	ggaggaaggc	ctggccatcc	840
accagcagca	ctgggacttc	caggaggtga	gtaatctgtt	caggaagagc	ctggtagtgc	900
tgtgtgtcag	aaggaactgc	tggttggcat	tggatcctgg	gctcttccaa	gaggtcaggt	960
attagggacc	tctgcctctg	cttttgaact	tagtggctgg	gcagtaaggc	ctcaggggga	1020
ggaaagggca	acccagcagc	aaagttggcc	cactggcatc	ttcatatgta	atgatttgcc	1080
aggtctctgt	gtagctctga	tgcttgtcat	tgcagagaga	gggatacacc	tctttttgaa	1140
gtttattcc						1149

<210> 4606
 <211> 943
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (85)...(587)
 <223> similar to gi6018317 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4606

caacgctgcc	tgccagcaa	cgaagacaag	gaggagtctc	cgctgtgcgc	cctggcgcg	60
tactgtctgc	gcgcgccctt	cggccgcaat	ctcatcttca	actcctgcgg	agagcagggc	120
ttcagaggct	gggaggtgga	gcatggcggg	aacggctggg	ccatagaaaa	gaacctaa	180
ccggtgcctg	gggctccttc	gcagacctgc	ttcgtgacct	ctttcgaatg	gtgctccaag	240
aggcagcttg	tggacctggg	gatggaagg	gtgtggcagg	agctgctgga	cagcgcccag	300
attgagatct	gtgtggctga	ctgggtgggg	gctcgagaga	actgcggctg	cgtctaccag	360
ctccgggtcc	gccttctgga	tgtgtatgaa	aaggaagtgg	tcaagttctc	agcctcacct	420

gacccggtcc	ttcagtggac	tgagaggggc	tgccgacagg	tctccacagt	cttcaccaac	480
tttggcaagg	gcatccgcta	cgtatctttt	gagcagtacg	ggagagacgt	gagttcctgg	540
gtggggcact	acggcgccct	tgtgacccac	tccagtgtga	gggtcaggat	ccgtctgtcc	600
tagcgactgg	actactgcct	gacgtttgtca	gtcaagacca	gccttgcagc	caggtgcagt	660
ggctcacacc	tgtggaatcc	cagcacttca	ggaggccgag	gtgggaggat	cactggagct	720
cgggagttca	agaccagcct	gggcaacata	gtgaaaccgt	ctccacaaat	aattttttaa	780
aaattagcca	ggcatggtgg	tgccgcctgt	agtcccagct	actcaggagg	cttgggtggg	840
aggattgcct	gagaccagga	ggttgaggct	gcagtgagcc	gtgatttcac	caccactcca	900
gcctgggtga	gaaagcaaga	ccctatatca	atgaaaaaaa	aaa		943

<210> 4607
 <211> 1398
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(856)
 <223> similar to gi4038413 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4607	
tgtgtgcagt	ccccagtgcc
aggcttcgga	gtgtggccca
ctctggggag	tggatattcc
gacccagta	gaggcatgcg
acaaaatggt	attcccgggt
aagctatgcc	tcgtgggctc
aagattgtgg	agtaccgtga
gagattcctc	aactacagaa
gtgtttgctg	ttcagaataa
gtaactccca	ctcctggaac
ttctatcttc	ttgcccatca
gtttctcaaca	ccgcaaacct
cacatgtact	ggaattggcc
aagctagctt	tcctgtcagg
aacctgttct	tcctgtgact
cagaactcag	ctgtgactct
attttccctt	tctccaacct
caccaagaag	caagtttctg
gttacggtgg	tactgccact
tccagaccgg	gtgcggtggt
tggatcatga	ggtcaggaga
ctaaaataca	aaaaaattag
aggctaaggc	aggagaatcg
cgccactgca	ctccagcc
ctcccaggtt	gtcaatgttc
cttcagatta	actgtaaatt
tcgggatgga	tgtttaccat
caagcatcaa	tctcacctc
ggacagcctg	
tgaacctactg	tctaccaaag
tgaagacagt	tgccaaactat
attatcagcc	caagatgggtg
tggtctgctcc	tcagaacttt
caagctgtga	gtgggtggat
ttcctacgca	ttatgtctgt
ggctgacttt	caaactgtgc
ctccttgcaa	gtatgccac
cagccatcca	gctgtgcgag
ggtgagaaga	aaggcggcct
aagtgggctt	ttgtgttata
ttgtctttta	aacctaatat
tgtagagcaa	
cattaagacc	
ccgagggcgg	
ccgtctcta	
gctactcagg	
gccgagatca	

<210> 4608
 <211> 1024
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1027)...(774)
 <223> similar to gi608694 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4608

tttttttttt	ttgagatcac	aggcttttatt	cctacaacca	cagggcttga	gcctgactgg	60
ggcaagaaaa	cagagtttca	tctgagaatg	tctcttatgg	gctgggttct	gttcagggga	120
gggtgggaac	agaggacaag	gaagacaagc	tcctctggcc	ctaggaacaa	aacacattta	180
ctccttcaaa	gaagcagatg	atctgaatac	cctctggaga	ctgaatctgc	ccatacagcc	240
cctggagcca	atgggcagac	agtactggca	tctggcacia	aaggggaattc	agacccagaa	300
cagaagcagc	aaaatatattt	aaaaatagta	aattgttcct	ggactcacia	atcattgttt	360
ttaagggcaa	gtgcatgccc	aatataagta	ctggggcttc	ctaagagagc	tgacatagga	420
ttacacagct	gcctccctgc	ttcagtggag	gccctcacat	cccctttgaa	cacttaactt	480
gggtaggaga	ggtagccttt	tcgtctctgt	tctgggttct	gagagctctg	cagtctggag	540
gcacagcaga	ctgaggctga	cctgggccct	gtcctttctg	cctggcagtc	acaggatggt	600
gtctctacct	ggagacaaaag	ctggtttccg	gtcccagaca	gctgggtcaag	ggagggtagt	660
gtgggtcaac	actggccctc	agcactcctg	agggggcaaa	gaggatgggc	aaagtttgga	720
gcaggaggaa	tcctaggtaa	aggtcaggat	catgttcaact	ggatggtcag	gcagcgggtg	780
ctgaagaggt	gactgatgac	agatgggtca	gccacagtag	acatgtcccc	gaggtcatgg	840
tcattctgag	caatcttccg	aagcactcgc	ctcatgattt	tccttgagcg	ggttttaggc	900
aagccaggtg	cattctggat	gtagtctggt	gtggcaatgg	ggccaatctt	ttctctaadc	960
tgtttcttga	gctcctcggt	gagcttgggg	ctgaagggtg	ggccatcaca	caagggtgaca	1020
aagc						1024

<210> 4609
 <211> 696
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(181)
 <223> similar to gi452404 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4609

gatgacaaca	tggttcagag	actagaaaca	gacttcaaga	tgactcttca	gcagcagagc	60
accctggagc	agtgggctgc	gtggcttgac	aatgtgatga	tgcaagcact	gaaaccctat	120
gaaggaagac	ccagttttcc	taaagccgcc	aggcagtttc	tgctaaaatg	gtctttctac	180

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aggatcatc taggtttttc ctaggctttc ttcttcatat tctgcaaata tgtgtgtgta 240
tgtgtttgta tatgcttctg tgacaaaaga aaagaaagta ataaagactt tagtttgtgg 300
aaactccctg ttacaactac cttcaaccca actcagtgat tacaacacca tggaaatgta 360
ccaggaaact tagagaaata aacttttctgc taggaaaaga aatctcttgc tcaaagccct 420
acatgtcctc agatgggaac gtctgagatt ccagtctaga taatgtgttc agcagtaatc 480
agaaaagggc aactgtcctc cctcttgcaa catacattat ttaggcttct ttcttgaggc 540
ctaactactag tctccttttt gttctctgtt tagtgatggt cagaatgtgg tccctaaacc 600
agtagcacca ctatcaattg gaaacatggt agaaatgcaa attcttagca cctcctccaa 660
atctacctgt atcagaacct gtagaggtaa ggccca 696

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<210> 4610
<211> 1799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1800)...(1324)
<223> similar to gi31142 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4610
tttttttttt tttaggggca tattgataaa tctttattga caaaatattg acattgacat 60
acttcttgga agtatatagt gtgttagaat tctaacaaat taacacaaaa cacaaaaata 120
tttacattct ggtatagaag acattaagga agcatttgtc actctcttta gtaagtctat 180
gatcttggaa tagaaactca gtgcttgaaa acttgccgcc gtgcgcttgg ccacacttaa 240
catcatcccc gctaactaca gtccctcagg ttttgcaata gatagattta aagtttggaa 300
taggcattgc agtgaatggt tgaactcggc caatttctcc aacctactgaa aggagaagtt 360
tgcacagggg ttttaagcct caggatgtta ggaaagggaa tgtccaagaa atataattaa 420
tttaggggtt tttttcccag tacaagtcct gattcttttt gtgggcaccc tccccgccca 480
ccccagccc cccggtcgtc ctgctccccg tttctctgta agaggaccac tatcgctgag 540
cctacttcat ttagcttgca caatcacttt gacatcagaa ggtatcaaaa agtgtttaca 600
gactgcacat ttcttgggaa aaaaaatcaa aataaaaagc acacagaacc tgtctttaaa 660
aggaaaagaa aattacaatt cattttcggg ctttaaacac cattcgccca acaactgcta 720
catgcatttc aaggatttga aacaggtgtg ggatggggct agatatggaa tttttgtttt 780
ttattactaa ttatttttaa agatgggggg gaaacacagc gaagtgcaaa aaacaaaaaa 840
gtcctgtgcc tgggtgggtc gtgggtttta tcatcatcat cattttttta gtggactgtg 900
ataaacggaa tacctgccaa tcatcttgtc tccccggtt ggtgtttgat tgacagctcc 960
ccttgtcaga gtgcacgttc agctttctct ctctctctct ctctctttct ctctctttct 1020
ctctctccct cctctttct cttctctct gtgtctctca ctacagctgcc tcttttagacg 1080
agggtcgtt gttgatgaag gagcctccat cctctgccat cttggcgcggt cctcggtttg 1140
ggaccctgtg cctcgtctgt ccagagtctt cgcgcgcttc cgtctctccc tccgattccc 1200
tctcccttct cgggtgaacg tgtatgcggt ttgtttttgt tttgtagggt tttttccttc 1260
tccacctctc cctgtctctt ttgctccatg ttgtccgttt ctgtgggggt aggtttatgt 1320
ttttaatcat ctgaggtcac gtctatttcc tccggactcg cctgcttgggt ggcgattctc 1380
caccgggttaa tatggtgcgt ccttttttct ttttgttgcg aatctgagcc ttcttctctc 1440
agcttctgcc ttttgaactt tgttcttcgg ttctgaaacc atacttttac ctgagtttcc 1500
gtgaggctga ggctgtgtgc cagctgcttc ctttcggcgc ccaccacgta gtgattcttc 1560
tcaaaggcgt gttccagcct tagaagctgg gacggggaga aggcggttcg gatccgcttg 1620
ggctttcggg ccagcgcgtt gtgcaaaagg aaactctcgg ggctagtgtc gttcccttgg 1680

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aagcgatgac	ccagatatcg	gtagcgggtg	atgagccagg	ggtagaaggt	ggacggatcc	1740
cgctgctgcg	aggcgaatag	ggggtgtggc	gagtgcgagg	agggtagggg	gtgggcggc	1799

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<210> 4611
<211> 2549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2552)
<223> similar to gi6002623 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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09493735.013100

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<400> 4611
cagctgcggg cgcttacctg cccccctgc agcagggtgtt ccaggcacct cgccggcctg 60
gcattggcac tgtggggaaa ccaatcaagc tcctggccaa ttactttgag gtggacatcc 120
ctaagatcga cgtgtaccac tacgagggtg acatcaagcc ggataagtgt ccccgtagag 180
tcaaccggga agtgggtgaa tacatggtcc agcatttcaa gcctcagatc tttggtgatc 240
gcaagcctgt gtatgatgga aagaagaaca ttacactgt cacagcactg cccattggca 300
acgaacgggt cgactttgag gtgacaatcc ctggggaagg gaaggatcga atctttaagg 360
tctccatcaa gtggctagcc attgtgagct ggcgaatgct gcatgaggcc ctggtcagcg 420
gccagatccc tgttcccttg gagtctgtgc aagccctgga tgtggccatg aggcacctgg 480
catccatgag gtacacccct gtggggccgt ccttcttctc accgcctgag ggctactacc 540
acccgctggg ggggtgggcgc gaagtctggt tcggctttca ccagtctgtg cgccctgcca 600
tgtggaagat gatgctcaac attgatgtct cagccactgc cttttataag gcacagccag 660
tgattgagtt catgtgtgag gtgctggaca tcaggaacat agatgagcag cccaagcccc 720
tcacggactc tcagcgcgtt cgcttcacca aggagatcaa gggcctgaag gtggaagtca 780
cccactgtgg acagatgaag aggaagtacc gcgtgtgtaa tgttaccgt cgccctgcta 840
gccatcagac attcccctta cagctggaga gtggacagac tgtggagtgc acagtggcac 900
agtatttcaa gcagaaatat aaccttcagc tcaagtatcc ccatctgccc tgcctacaag 960
ttggccagga acaaaagcat acctaccttc ccctagagggt ctgtaacatt gtggctgggc 1020
agcgtgtgat taaaaagctg accgacaacc agacctcgac catgataaag gccacagcta 1080
gatccgctcc agacagacag gaggagatca gtcgcctgat gaagaatgcc agctacaact 1140
tagatcccta catccaggaa tttgggatca aagtgaagga tgacatgacg gaggtgacag 1200
ggcgagtgtt gccggcgccc atcttgacgt acggcgggcc gaaccggggc attgccacac 1260
ccaatcaggg tgtctgggac atgcggggga aacagttcta caatgggatt gagatcaaag 1320
tctgggcat cgctgcttc gcaccccaaa aacagtgtcg agaagagggt ctcaagaact 1380
tcacagacca gctgcggaag atttccaagg atgcggggat gcctatccag ggtcaacctt 1440
gtttctgcaa atatgcacag ggggcagaca gcgtggagcc tatgttccgg catctcaaga 1500
acacctactc agggctgcag ctcatatttg tcatcctgcc agggaagacg ccggtgtatg 1560
ctgagggtgaa acgtgtcgga gatacactct tgggaatggc tacgcagtgt gtgcaggatg 1620
agaacgtggt caagacctca cctcagactc tgtccaacct ctgcctcaag atcaatgtca 1680
aacttggtgg cattaacaac atcctagtcc cacaccagcg ctctgccgtt tttcaacagc 1740
cagtgatatt cctgggagca gatgttacac acccccagc aggggatggg aaaaaacctt 1800
ctatcacagc agtggtaggc agtatggatg cccaccccag ccgatactgt gctactgtgc 1860
gggtacagcg accacggcaa gagatcattg aagacttgtc ctacatggtg cgtgagctcc 1920
tcatccaatt ctacaagtcc acccgtttca agcctaccgg catcatcttc taccgagatg 1980
gggtgcctga aggccagcta cccagatac tccactatga gctactggcc attcgtgatg 2040
cctgcatcaa actggaaaag gactaccagc ctgggatcac ttatattgtg gtgcagaaac 2100

```

```

gccatcacac cgccttttc tgtgctgaca agaagtgagcg aattgggaag agtggtaaca 2160
tcccagctgg gaccacagtg gacaccaaca tcacccaccc atttgagttt gacttctatc 2220
tgtgcagcca cgcaggcatc cagggcacca gccgaccatc ccattactat gttcttttggg 2280
atgacaaccg tttcacagca gatgagctcc agatcctgac gtaccagctg tgccacactt 2340
acgtacgatg cacacgctct gtctctatcc cagcacctgc ctactatgcc cgcctggtgg 2400
ctttccgggc acgataccac ctggtggaca aggagcatga cagtggagag gggagccaca 2460
tatcggggca gagcaatggg cgggaccccc aggccttggc caaagccgtg caggttcacc 2520
aggatactct gcgcaccatg tacttcgct 2549

```

```

<210> 4612
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (283)...(139)
<223> similar to gi3329390 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4612
cataattttt aatgagtcag caatattaag taaaatacac ctgttttatac taagatttttc 60
cagcaaatct tatataactg agaattatga agtataatgt tttaaaatat tttcttaaaa 120
acaaacaaaa tttcaatcca tggaaacaac tggctccaaa agtttatctc cagggacatc 180
catccatgtc atttcaatgg caccagggtc acctggagag caagggtgta gcagatcatc 240
tacaagatgg ttaggatcag ctcggaagg tccgcgaacc tgaaataaac agtaatctga 300
aatatgtatt tgaaacaaaa ttgaacatta agacttaatc cattaccagg aaagttaaaa 360
tgtataataa ttttgtatgt tttattagaa tgtttacttt tggaaaaaaa attaagaata 420
tacaacaaaa agtagttatc ccctgggtaa tgggatagat tttggttgct ttttagttttt 480

```

```

<210> 4613
<211> 2477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2478)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (10)...(1317)
<223> similar to gi5006248 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```



```

<400> 4613
cgctcgaccca cgcgtccgat cttaacagac gagttgttta aaagaactat ccaactgcct 60
cacttgaaaa ctctcathtt gaatggcaat aaactggaga cactttcttt agtaagttgc 120
tttgctaaca acacaccctt ggaacacttg gatctgagtc aaaatctatt acaacataaaa 180
aatgatgaaa attgctcatg gccagaaact gtggtcaata tgaatctgtc atacaataaaa 240
ttgtctgatt ctgtcttcag gtgcttgccc aaaagtattc aaatacttga cctaaataat 300
aaccaaatcc aaactgtacc taaagagact attcatctga tggccttacg agaactaaat 360
attgcattta attttctaac tgatctccct ggatgcagtc atttcagtag actttcagtt 420
ctgaacattg aaatgaactt cattctcagc ccattctctgg attttgttca gagctgccag 480
gaagttaaaa ctctaaatgc ggggaagaaat ccattccggt gtacctgtga attaaaaaat 540
ttcattcagc ttgaaacata ttcagagggtc atgatgggtg gatggtcaga ttcatacacc 600
tgtgaatacc ctttaaacct aaggggaact aggttaaaaag acgttcatct ccacgaatta 660
tcttgcaaca cagctctgtt gattgtcacc atttgtgtta ttatgctagt tctgggggttg 720
gctgtggcct tctgctgtct ccactttgat ctgccctggt atctcaggat gctagggtcaa 780
tgcacacaaa catggcacag ggttaggaaa acaaccaag aacaactcaa gagaaatgtc 840
cgattccacg catttatttc atacagtga catgattctc tgtgggtgaa gaatgaattg 900
atccccaatc tagagaagga agatgggtct atcttgattt gcctttatga aagctacttt 960
gaccctggca aaagcattag tgaataatatt gtaagcttca ttgagaaaag ctataagtcc 1020
atctttgttt tgtctcccaa ctttgtccag aatgagtggg gccattatga attctacttt 1080
gccaccaca atctcttcca tgaataattct gatcatataa ttcttatctt actggaaccc 1140
attccattct attgcattcc caccagggtat cataaactga aagctctcct ggaaaaaaa 1200
gcatacttgg aatggcccaa ggataggcgt aaatgtgggc ttttctgggc aaaccttcga 1260
gctgctatta atgttaatgt attagccacc agagaaatgt atgaactgca gacattcaca 1320
gagttaaatg aagagtctcg aggttctaca atctctctga tgagaacaga ttgtctataa 1380
aatccacag tccttgggaa gttggggacc acatacactg ttgggatgta cattgatata 1440
acctttatga tggcaatttg acaatattta ttaaaataaa aaatgggtat tcccttcata 1500
tcagtttcta gaaggatttc taagaatgta tcctatagaa acaccttcac aagtttataa 1560
gggcttatgg aaaagggtgt catcccagga ttgtttataa tcatgaaaaa tgtggccagg 1620
tgcagtggct cactcttgta atcccagcac tatgggaggc caagggtggg gaaccacga 1680
ggtcaagaga tggagaccat cctggccaac atggtgaaac cctgtctcta ctaaaaatac 1740
aaaaattagc tgggcgtgat ggtgcacgcc tgtagtccca gctacttggg aggctgaggc 1800
aggagaatcg cttgaaccgc ggagggtggca gttgcagtga gctgagatcg agccactgca 1860
ctccagcctg gtgacagagc gagactccat ctcaaaaaaa agaaaaaaa aaaaggaaaa 1920
aatgggaaaa ctctctcttg gccccaaaat aggggtcta tcaataaatt atagcccttt 1980
aaggtaatat aatattactg gcccttaaaa aaaataggga agctgtttat ttccgggttg 2040
ggaaaaacca tattaatatg ttttaacctt ttaggtgggg gcaaaactaa tgggggtttt 2100
tgccattgaa agggctttga aataaaaggg taaagaaatt tatcccaaat gtagtaccag 2160
gggttggggt ctgggagggt ggattacggg gagcattgga tttctatgtg ggggaatttct 2220
ataagggttg aatggttaaa aaggaatctg ttttttttt ataagtagaa aaaaaataag 2280
gatgggtttt acagcctaca ctccctaaaa aaaaagggat ttttttttta ggggccccgg 2340
gttttttccc tttggggggg gggaatttaa ttttgggccc ggccgggctt ttttaacaccg 2400
ggggcagggg gaaaaacccg ggggggtccc ccctttaatg cccttgggga caaaaaana 2460
naccattgtg ccggagg 2477

```

```

<210> 4614
<211> 1297
<212> DNA
<213> Homo sapiens

```

<220>

<221> misc_feature
 <222> (82)...(1100)
 <223> similar to gi1136501 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4614

cccacgcgtc	cgcccacgcg	tccgcccacg	cgcccgcttc	tgaccccgctc	ttggacttca	60
actgggagaa	tgtggagcca	tttgaacagg	ctcctcttct	ggagcatatt	ttcttctgtc	120
acttgtagaa	aagctgtatt	ggattgtgag	gcaatgaaaa	caaatgaatt	cccttctcca	180
tgtttggaact	caaagactaa	ggtgggttatg	aagggtcaaa	atgtatctat	gttttggtcc	240
cataagaaca	aatcactgca	gatcacctat	tcattgtttc	gacgtaagac	acacctggga	300
accagagatg	gaaaagggtga	acctgcgatt	tttaacctaa	gcatcacaga	agcccatgaa	360
tcaggccctc	acaaatgcaa	agcccaagtt	accagctgtt	caaaatacag	tcgtgacttc	420
agcttcacga	ttgtcgaccc	ggtgacttcc	ccagtgtctga	acattatggg	cattcaaaca	480
gaaacagacc	gacatataac	attacattgc	ctctcagtca	atggctcgct	gccccatcaat	540
tacactttct	ttgaaaacca	tgttgccata	tcaccagcta	tttccaagta	tgacagggag	600
cctgctgaat	ttaacttaac	caagaagaat	cctggagaag	aggaagagta	taggtgtgaa	660
gctaaaaaca	gattgcctaa	ctatgcaaca	tacagtcacc	ctgtcaccat	gccctcaaca	720
ggcggagaca	gctgtccttt	ctgtctgaag	ctactacttc	cagggttatt	actgttgctg	780
gtgggtgataa	tcctaattct	ggcttttttg	gtactgcca	aatacaaac	aagaaaagct	840
atgagaaata	atgtgcccag	ggaccgtgga	gacacagcca	tggaagttgg	aatctatgca	900
aatatccttg	aaaaacaagc	aaaggaggaa	tctgtgccag	aagtgggatc	caggccgtgt	960
gtttccacag	ccaagatga	ggccaaacac	tcccaggagc	tacagtatgc	cacccccgtg	1020
ttccaggagg	tggcaccaag	agagcaagaa	gcctgtgatt	cttataaatc	tggatatgtc	1080
tattctgaac	tcaacttctg	aaatttacag	aaacaaacta	catctcagga	tggagtctca	1140
ctctgttgcc	caggctggag	ttcgggtggc	cgatcttggc	tcacttcaat	ctccatcttc	1200
ccagttcaag	cgattctcat	gcctcgacct	cccagtagag	tgggaattac	aggtgcccgc	1260
taccacgccc	agctaatttt	tggattttta	gtagagc			1297

<210> 4615
 <211> 889
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (892)...(330)
 <223> similar to gi3820982 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4615

tttttttttt	ttcaaagagg	aaaaaagcac	gtttgttggt	ggtaggcggg	cgtgaatggg	60
agggttcttc	accttctcca	acacctcgta	tagatgggac	gttgcaaggc	aatagaaaag	120
gcagcagatg	ggggcggtgt	ttgccccact	ctgtacaata	tagaagaatc	tcatatagat	180
actttgtata	aaagccacgt	gtcctcattt	gtgtcctctt	attggctggc	tgggctgggg	240
gtactggggg	acaaagaagc	tggggtgata	gaccaggaca	cagggaatac	ccatgggtccc	300
cttcctctgg	ctgtcccctg	gtgggggtcac	tttgatcct	tgggtgggagc	atagcacagc	360

```
tccagtggcc gggacacctt ccagaatttc tcattcacca gctccagggc cagcgagcca 420
ttcaacgtcg tgaacgcccc gcctccaggt gcgatgtaga tgggtgtactg ctttttactg 480
acgccctcca ggctgggcaa agcagggtcc tcaggaccgt cacctcctcc ggacccccca 540
ccctccccgc cacacccatc aggtcctccg gtgtcagagg cgtccctcc aggcctcct 600
ggctcccctg cttcctgctg ttgcctccgc tcgagggcaa tgcgcagggc caagtacttg 660
gagaggtggt ccactgtggc attcccagtt gtcttcacat acctcgtctg gcagtattct 720
cccttctcca cgagcagggg gtggggcccg aacacgagct caatttctcc acctggctct 780
ggggggctgg gggccccagg agggcttggg gggcccagcg ttccccctcc cagagtccct 840
ccccggtcac cagagtcttc cgaaccggca cccccacca cccaccag 889
```

```
<210> 4616
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(268)
<223> similar to gi3970850 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4616
tggggctcct cctcctcctc cttcccagcc tccccggcag ccgccacagg ccgtcccag 60
cagccatcca cacagcgacc tgacctttaa cccctcctca gccttagagg gtcaggccgg 120
agcgcaggga gcgtccgaca tgccggagcc ttcgctggat ctcttccc aactcacaaa 180
tcctgacgag ctctgtgttt atctggaccc ccccgacctg ccgagcaata gtaacgatga 240
cctcctgtct ctatttgaga acaactgagg gccacccggg cggggccatc cctccacact 300
ctgcaccta cccacactac ccaacacact tttccacctg ggagcctgtg ccctcagacc 360
ggcccgcacc agaggcacgg gctgag 386
```

```
<210> 4617
<211> 791
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(150)
<223> similar to gi951098 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4617
cgaattaatc aggtttacag acagggtccc actggtattc acattcttgt tattgatcag 60
```

atggttcaga	atgttcaaga	tgagagttgt	tttttattct	ccacagtaaa	agctgaaagt	120
agtgatggca	tccacataat	tttgaagtga	tgtcttata	agactgaact	gtattcagta	180
ccaaatagtc	acgcttaaaa	gtgtgtgaag	actgaatcca	agaagtcttg	ggattggatt	240
ttaccatattg	aaatgtttca	tattgaaaac	acaagatgac	ctttctaata	agctgtatga	300
gaggtgaatc	tcctcactgt	cactgccata	gccaaagcatc	ctcatgagag	tgagcacatc	360
ggcacagcat	gcatccagct	ctggaggcca	cgggtgcaggc	atagctgcct	gctgctctgg	420
cagaggccag	taaatacagt	tcctagaagc	agcctttgct	gtctttttac	actgtatgcg	480
gtttggaaat	gaatgtagaa	acttactgtg	ggcatttacc	tttctgtgcc	agtttggtct	540
ttattgcctg	aaccttatgc	tgacctggag	aggagatggg	ggacagtgtc	gttggtggggc	600
cagcagtga	tctgtatgcg	gagagttgtg	ttgtgctgat	gtggccgttg	gtggtcaggt	660
aagaggctcg	gcaccttctt	ggaagaaatc	atgtctcagg	gtgtacgttt	gatatgatca	720
tgccagattg	gagaagatcc	aagccaggaa	gatgggcttg	aagcaactg	cattatcagg	780
agtaccttgg	t					791

```

<210> 4618
<211> 2403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (569)...(1397)
<223> similar to gi2291143 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4618						
taactttttg	ataggttaaa	aacttacaaa	aaacgtggat	agaggggggtc	tgtcttgccc	60
actagaccga	tatggttagg	ttaggttagg	ttaggttagg	ttaggttaga	acccgacatt	120
gtgctctgta	cttcctagcc	attcattcgc	ttcaagtgtc	ctgaaattta	atttaaaaaa	180
tcatagttgg	aatcctttcg	gtcactttct	ctttctccct	tcgttccctcc	ctttccctct	240
tgattcttcc	ttgaggcgca	aacacctgag	agaggcttct	gtccctcggc	ggtctccgta	300
agtaagtga	ccgttattgg	ctggaggggcg	ctgacgtctg	attgttgcg	ggtcgcat	360
ttccgggggag	cgcggtattcg	cattcccaat	tttaggtggc	agtcgcaacc	catactattc	420
ggacagatgg	cacagaaacc	gctgcgcctg	tgagtgaccg	tgaatggaag	cctctctccc	480
tgtgtctctt	tcgtgtgtct	tggttgtgg	agatgttgaa	ggaaagtgtg	atattttatt	540
caatagagtt	caagcaattc	agaagaaaag	tggaaacttt	gatctgctgt	tgtgtgtagg	600
aaattttctt	ggctccaccc	aagatgctga	atgggaggag	tataagactg	gcatcaagaa	660
agctcctatt	cagacatatg	tgcttggtgc	taataaccag	gaaacagtaa	aataattcca	720
ggatgctgat	ggatgtgaat	tagctgaaaa	cattacttat	ctgggtcgta	aaggtatctt	780
cactggaagc	tcggggctgc	agattgtgta	cctcagtggtg	acagaatcct	taaatgagcc	840
agtaccaggt	tatagtttta	gtcccaagga	tgtgtcttct	ctgagaatga	tgctgtgtac	900
aacctccag	tttaagggtg	ttgatatctt	gtcacatcc	ccatggccca	agtgtgtggg	960
gaactttggg	aattcttctg	gagaagtggg	taccaaaaaa	tgtgggttctg	ctttgggttc	1020
cagtcttgcc	acgggcttga	aaccaagata	ccattttgct	gctttggaaa	agacctatta	1080
tgagaggctt	ccatatcgaa	accatatcat	tctacaggaa	aatgcacagc	atgccaccgg	1140
gtttatagct	ctggcaaatg	ttggaaatcc	agaaaagaaa	aagtatcttt	acgcgttcag	1200
tattgttccc	atgaagctaa	tggatgcagc	agaactggta	aaacagcctc	cggatgtcac	1260
tgaaaaccct	tacagaaaat	ctgggcagga	agcatccata	ggaaagcaaa	ttcttgcccc	1320
tgtggaagaa	tcagcctgtc	agtttttctt	tgatttaaat	gaaaagcagg	gaaggaagcg	1380
ttcatccaca	ggtagagata	gcaaattctt	tcctcatcca	aagcagcctc	gcaaacctcc	1440

tcagcctcca	ggaccctgct	ggttttgcct	tgctagccct	gaagtggaaa	aacatttggt	1500
ggtcaacatc	ggcacacatt	gctaccttgc	cctggccaaa	ggaggcttat	ctgatgacca	1560
tgctctcatc	ctgcctattg	gacactacca	gtcagtgggtg	gagctttcag	cagaggtggt	1620
agaagagggtg	gagaagtata	aggccactct	gagacgggtc	tttaagagtc	gagggaaatg	1680
gtgtgttgta	tttgagagaa	attataagag	ccatcacctc	cagctacagg	tcattcctgt	1740
cccaatcagc	tgctctacta	ctgatgacat	taaagatgcc	ttcattaccc	aggcacagga	1800
gcagcagata	gagctgttgg	aaatcccaga	gcactctgac	atcaagcaga	ttgcacagcc	1860
aggagcagca	tatttttatg	ttgaacttga	cacaggagaa	aagcttttcc	acagaattaa	1920
aaagaatttt	cctttgcagt	ttggaaggga	ggtcctggcc	agtgaagcca	tccttaatgt	1980
tcctgataag	tctgactgga	ggcagtgtca	gatcagcaag	gaagacgagg	agaccctggc	2040
tcgccgcttc	cggaaagact	ttgagcccta	tgactttact	ctggatgact	aaaacaaagg	2100
gaagaacttt	ttatgaactc	cacaggaagt	agtaaagctt	tttttttttt	ttaattaaaa	2160
aaattttttt	tgagacaaag	tctcgctctg	tcacccaagc	aggattgcag	tgagccaaga	2220
tcgctccatt	gcaacccaac	ctgggttgaa	cagtgaactc	ccatctcaaa	aataaaagaa	2280
taaaagtatg	tctgtcatcc	agctcctatg	tctgttatcc	agctccaagt	acagcttggt	2340
tatatcaaca	ttttcaaaaa	cctttaaact	accaaataag	atccagatgt	ttttccatgg	2400
tta						2403

<210> 4619
 <211> 479
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(317)
 <223> similar to gi291986 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4619	
gtcccagggtc	tcgaaaacca aagaagaaga acccgaacaa agaggacaag cggccgcgca 60
cggcctttac	cgccgagcag ctgcagaggc tcaaggccga gttccagacc aacaggtagc 120
tgacggagca	gcgccgccag agcctggcgc aggagctgag cctcaacgag tcacagatca 180
agattttggtt	ccagaacaag cgcgccaaga tcaagaaggc cacgggcaac aagaacacgc 240
tggccgtgca	cctcatggca cagggcctgt acaaccactc caccacagcc aaggagggca 300
agtcggacag	cgagtagggc ggggggcatg gagggcaggc ctcagtccgc gctaaacaat 360
gcaataattt	aaaatcataa agggccagtg tataaagatt ataccagcat taatagttaa 420
aattattgtgt	attagctaag gttctgaaat attctatgta tatatcattt acagggtgat 479

<210> 4620
 <211> 943
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(227)

<223> similar to gi34031 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4620

```
gtgagcaaga ccggcgaggc ggagaccatc accagccact acttgtttgc gctaggcggt 60
taccgcacgc tctatctctt caactggatc tggcgctacc atttcgaggg cttcttcgac 120
ctcatcgcca ttgtggcagg cctggtccag acagtccctc actgcgattt cttctacctc 180
tatatcacca aagtcctaaa ggggaagaag ttgagtttgc cggcatagcc ccggtcctct 240
ccatctctct cctcggcagc agcgggaggg agaggaaggc ggcagaagat gaagagcttt 300
cccatccagg ggtgactttt ttaagaaccc acctcttggt cccccatcc cgcctcctgc 360
cgggtttcag ggggacagtg gaggatccag gtcttgggga gctcaggact tgggctgttt 420
gtagtttttt gccttttaga caagaaaaaa aaatctttcc actctttagt ttttgattct 480
gatgactcgt ttttcttcta ctctgtggcc ccaattttta taaagtgttt ttgagtgtcc 540
tatgggccgg ggcagggtcc aagatctttt cccttcccca ggcccctcgg ctccctccca 600
gatccacccc ccagcccac tggttgccaa aactaaatc tgccgacacc catctgcccc 660
acctcctgcc atggccatga accgcgaccc cactaaatt tctagattgg ggataggagg 720
aaagggaggc ccaggaaggt ctcccctgat ttttttcat agtaattttt tccccagag 780
tttgaatttt ttggtcttct cctggttttt tggcaaatta ggggggcccg gggctcaagt 840
gcgggaaggg ggctggcccg aggatcccat ggctctcaca ccatgttttt gtacagaact 900
gatggttgaa tctttgttct cttgaaataa acagaagaaa atg 943
```

<210> 4621

<211> 666

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (72)...(498)

<223> similar to gi2950170 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4621

```
ccgacttcca tctcatggac cctccagcgg agaagccggg agaggctggc ggactgcaga 60
tcacacccca gctgctgaag tcacgcacag gcgagttctc cctggagtcc atcctgctac 120
tgaagctgcg tggcttggga ctggctgacc tgggctgcct gggagagtgc ctgggcctgg 180
agtggctgga cctatcaggc aacgcgctca cccacctggg ccgctggcc tccttgcgcc 240
agctagccgt gctcaatgtc tccaacaatc ggctgacggg cctggagcca ctggccacct 300
gtgagaactt gcagagtctc aatgccgcag gcaacctact ggccaccccg ggccagctgc 360
agtgtctggc tgggctaccg tgccctggagt acctgaggct ccgagacct ttggcccggc 420
tcagcaaccc gctctgtgcc agcccctcct actgggctgc agtccgggag ctgctgcctg 480
gcctgaaagt catcgacggg gagcgtgtga ttgggcgtgg tagtgagttc taccagctgt 540
gccgagacct ggacagctct ttgcgtccca gctccagtcc agggcccaga gccaccgagg 600
cccagcccat gatggagcca ggctatactg aggtctgcct caggcggagc agcttcatcc 660
ctggag
```

<210> 4622
 <211> 569
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(192)
 <223> similar to gil710216 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4622
 tttttttttt ttgaagagag acggacaggc tctcactctg taggccaccc taggatggaa 60
 tacagtgggtg tgtctatggc tcaactgcagc ctcaacctcc tgggctcaag caattctcct 120
 tcttcagcct cccaagatgc taggactaca ggtgcatgtc aacatgccc gctaattgggt 180
 tttttttttt tttgtagaga cagcatctcc ccagggtacc catgctgggtc caaacacctg 240
 gtctcaagaa atcctttctgc tgtgacctcc caaagtgcta ggattaaaac atgacctacc 300
 atgctcagag tccatttttca tttctgattt gagtaatttt aaacttttct ctttttttct 360
 tagtcaatct agttaatggg tgtcaatttt gttgatttta ttttgaagaa tcaacttttg 420
 gtttcattaa tttcctctat tctttttcca ttctccattt tatttatgtc cactctaate 480
 cttattatct cctcatttca ctgtgcttgg gtttagtttg ttcttctttc atatcctgaa 540
 gtattaaagt aggttggtga cctgaaaaa 569

<210> 4623
 <211> 2797
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2800)...(1608)
 <223> similar to gil931647 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4623
 tttttttttt tttctcttac aaaactgtaa cttttatttg ttgatccaac agtacgttaa 60
 ccacttttac cccatcccca ctttacacgg tacaccaacc tgaacagatt ttgtgccaca 120
 atttcattca aagggtttgt cattcacttt atgattgtgc tggataatct agatgtaagc 180
 aactctggag attttaaaat atgggtcccc tggatgaaa gtaggcatag tttatagcat 240
 acttttaaaa atggcattcg gtaattttgc cttctggaca gaaagatatc ttcaaattgc 300
 aaacacatct atttccacaa aacaatttgg tcaggaaatt ttatttgaac attctaaagc 360
 aataatgctt ttagatgtta cttaagtgtc ccagacagga ttaacaaaat taagtgtctc 420
 taaattacaa atttggctcc tgtaggagtc tcagaaaata aacagaagaa aacaaccccc 480

ctcccggaag	aagtatgaca	cacacatttt	gaagaaaccc	caatgtttca	tgcaatggta	540
ggcaagatgt	aaaagcccac	ccaaatcaca	catttctaca	ccaatcatca	taagaaaaaa	600
gtactctgta	gtcgatctgt	acatccaaat	gcatttgga	atctacacct	acgttacatt	660
atttaatggt	atatacattt	attaccacc	cccctgttt	ttaataattt	cttatgtaaa	720
accttcattc	aaacccaaaa	gatttaagac	taacttgggg	ggaaaaaaga	taatcacttt	780
agacattcag	ttaaaatgta	gtttatctaa	atctcaaaat	gtttaataaa	aacaagtatc	840
ttctccattt	aacactttgc	tttctaactg	tacagtaaat	tgcattgtag	agagtacact	900
tctgtcttca	aactgtatct	tctttggatg	gaattaagat	gtaactgtat	agttttaaga	960
taaataaaatg	ggaagtgggt	ccaactaaga	tgacagcaga	tatattacat	gcaggattta	1020
atatttttcta	attctctctt	ttaaaaaaaa	ggatgctggt	ggattgggaa	aaaaaaaaag	1080
tcaaaaaaga	accagatttc	aatatataaa	aatgtcccac	aataggtcga	caatggcagt	1140
aaaaataaga	ggaaaaaagt	aatctttctg	gaacatcatt	tttcaataac	atagaaacac	1200
taagtgccag	gaagattcct	attcatgtaa	ttttagcatc	caagtttccc	tctattttatt	1260
ttattggaac	aaatgcttta	aataaactat	ttgtcctctt	cactgaagag	agctgggtcta	1320
tttcatctttt	aatgagctag	tttttgggaa	gattagccat	gtactgtagt	aatgcctact	1380
gcataaaatc	caagcatttg	ctgtgaacag	ttggagaag	cagtcaggaa	gaacctagga	1440
tcaatggaaa	tagatgttac	tttaagccac	cgacgaaga	gagaccaca	aagtaccag	1500
tgtgttaaaag	cccaaattctc	ttcttgcgtt	tgtttgtttt	tgtctgtcaa	gtttccacccc	1560
tatgaaaaaag	aaattgatcc	aaagttccag	gttttcttgg	gtctgtatgc	aattttcaca	1620
ttagtataga	tttttcggac	aaaggcactt	gttcccatgt	aaccaatcgc	tccacacatt	1680
atccccaagg	ctgtgctaaa	taccgccata	tatccaaagt	aaaatgatgt	ttgaaataag	1740
ccatacatct	ttgttttgaa	aaaatagtag	taaaaggaat	acatgtaaac	atagattgca	1800
gttgatgcag	cagagagaaa	acttgtccat	tgccaccggt	aatcttctgc	atttagtaga	1860
aaatatgtgc	acacaatagt	cacacagaca	gtcacaatgc	acaggataac	cagcaccagc	1920
atcatgaagc	catagacata	atagatctta	tatgcccaga	aagacgtgaa	gatgaaatac	1980
atttcaataa	agattgaacc	aaaaggtaaa	attccaccca	ggcaaacaa	aaccgcaggc	2040
tccatgaacc	attttttctc	cggtatagga	cgaggcacag	cattgacacg	acaaggaaa	2100
ttgggctgac	ctgacagatt	tccggccaagt	attgtaccaa	caagatttag	aggaagaata	2160
acaaaaaaaac	agatgcaaca	aacggccacc	attgttccaa	aaggaatggc	tcttgaagca	2220
tggtataaaa	tggtctatgaa	attgatgaag	aaggcagtgc	cacacaccat	agctgggata	2280
aggaatgccc	caataaacat	ctgctttatc	catctccttc	ctccttgtct	agcatacaga	2340
cttcctccaa	aataaccatt	cactggagac	gtagcagcat	agacaaatat	ggctgtactg	2400
agcattgatc	ccctctcagt	atataaatct	tctatcattg	caacaataat	aacgatgaga	2460
gacacagcaa	atatctgaca	tccagaacct	atcagagagg	aaaatatcag	tgggtgactt	2520
gatggtctaa	atacatctcc	atgcacctgt	ttccatccat	attcatctcc	taggtctcta	2580
ttcatatcat	ccatttcttc	ctctttactg	taccagcat	aatctttttc	taatgttctc	2640
attaaaaatca	ttggggctaa	gcccaccaag	aagatcacca	tcatgaagta	gttgaagatt	2700
gatagccaat	gaatctgatg	ttgaaaaaag	gtcggatcaa	catatttgtc	gattcgatct	2760
tccgattttct	catttgactt	tttccatttg	aacgaaa			2797

<210> 4624

<211> 2112

<212> DNA

<213> Homo sapiens

$\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (9) \dots (516)$

<223> similar to gi4007773 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 4624
tttcgtatga tgatcataat ggacacatag atttcatcac agctgcatca aatcttcgtg      60
ccaaaatgta cagcattgaa ccagctgacc gtttcaaaac aaagcgcata gctggtaaaa     120
ttatacctgc tatagcaaca accactgcta cagtttctgg cttgggttgcc ttggagatga     180
tcaaagtaac tgggtggctat ccatTTgaag cttacaaaaa ttgggtttctt aacttagcca     240
ttccaattgt agtatTTaca gagacaactg aagtaaggaa aactaaaatc agaaatggaa     300
tatcattttac aatttgggat cgatggaccg tacatggaaa agaagatttc accctcttgg     360
atttcataaa tgcagtcaaa gagaagtatg gaattgagcc aacaatggtg gtacagggag     420
tcaaaatgct ttatgttctt gtaatgcctg gtcatgcaaa aagattgaag ttaacaatgc     480
ataaacttgt aaaacctact actgaaaaga aatatgtgga tcttactgtg tcatttgcctc     540
cagacattga tggagatgaa gatttgccgg gacctccagt aagatactac ttcagtcattg     600
acactgatta atacaagtTg tcttaacgTt actccaggac cacttgattt tggaaagagt     660
gcacttaatt cagaagctaa agaaaatcag ttcataatac tatggatttc tctttcatta     720
agccttaatt ttaagggaaa catcagtaag aaactgcact gaagaattat aaaacatttt     780
ggggcatagc atacacttgt ctaacggttc acacgtggct attatcacia gcaactttga     840
actggaatgc tatTTacaaa agttttgtgt attaatctgt gtattaatct ctctggataa     900
aaagaaggaa aaaatatgta tgaccagaat agatatggat gaagaaattg aaagcaacga     960
atgcaactat tcaaaaagtt taattttatg aatttctttt ttgttttagtc ttgaagactg    1020
attttctatg caaatagtgt ttggcatcct gcacctctga tatgatttgg ctttgagaat    1080
ttaataccac tgggaagaag tatggtagtgt gtggatgaag ggtggatatt ttaaattgtg    1140
cagttacagt ttactgtcct attacctctg ctcgTTtaac cagtttgtta tatcactgtg    1200
tccccaaaat caggattttt gttgatagca tcagtgttgt aggagcaata ggtcagatga    1260
gacatatTaa cttagactaa acgtgaacag tattatatgg actctcacia cgctcttaga    1320
gaatccgtga atgtgaacag acaaatgtgg ctaaccattt gattcttcag tatgccttct    1380
aatgtggcta ttttatTTat gtgagactct aaacctgatt gtcctaatat ataaaactaa    1440
aagattttgt aaaggagtg tcttttagaaa tagatgaaat gtagaatgtt aaaaattatt    1500
gctagggtag tctttttttt ttccagaaac ctaattaggg tattaaattt tgggtttttt    1560
ttgttttttt ttttaaacia aaccatgtta tttctttccc attcccaaaa ggggagttaa    1620
tgaaaataaa aattttttt ttaaggTctt tattgaaaaa aactttgttt tctgatatga    1680
actattgcaa aggtttttat aaatactttc tcttttatta ctaagactgt catgcattct    1740
actgtaaact cagtgaaaat agtaaatgat tcttttatta ctaagactgt catgcattct    1800
gaagcagttg gctttttttt aaccatagga agtaatttcc ctctagctcc tttccttcta    1860
ctctcctgct cagaccatta gtaggtactt tgTTaaataa aaaactagat taacatcaat    1920
attactccaa tttggtatct tttacactat gtattatacc tactttcttt ttatttcatt    1980
tacaaatagt ttaaattact ttatcaacca gctgtattgt ttccctcttg taaaagtacc    2040
atcaagtggg gaaaatgtat gtggaagtgg agagtgaatt tgtatgacta aaggataatc    2100
tgtacatggg ga                                     2112

```

<210> 4625

<211> 1513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (388)...(596)

<223> similar to gi5911988 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400>	4625						
ctttttttttt	tatcattgat	aggactaaac	tgtcttcaac	ttactaactg	gagtttcttt		60
accagcagct	tcagagcagct	gagaactaca	gaaggcgagg	aggagacaga	gagcaggtaa		120
cggggcttta	ccgtgacagc	agtgcgttcc	cctgctccac	actcccactg	actcagctct		180
gccaatgcc	ctatcaaggt	ccttgcaaaa	atctggtttt	cttttgctctg	gaaagggctg		240
gttttctcct	ctgaaactga	accccaactg	ttggccctat	ttaaatctca	ggtcttggat		300
ttcttactta	cataagcagg	ggcttaggta	atagagtggg	ttgtgcctgt	ggagcctccc		360
aatcagctct	caacctcctc	tgttggcagg	gtccccggca	gcacacggcc	acagcgctcc		420
ttcctctcaa	gggtggctccg	ggcagcccta	cccctgcagc	tgctcctcct	gctgctgctg		480
ctcctggcct	gctgctgcc	ctcctccgaa	gaagactaca	gctgcactca	ggccaacaac		540
tttgcccggt	ccttttacc	catgctgagg	tacaccaatg	ggccaccccc	cacatagagg		600
gcatagctgg	ccacagtgct	acaccacctg	cctgattgcc	aaggggtgcc	agcacgtggc		660
cccagaccaa	tctgagtgac	ttagtgttgg	caaggtcccg	ggacctgtgc	agactctctc		720
tgggcttacc	cagcacgggc	tccctggagc	ccagggcagc	tttcagattg	tgttctctcc		780
caggagcagg	gaacctgtgt	ggcaggtgcc	ccgggtat	tggcagaact	agttgattag		840
tttagggatc	tctggaaatg	tcagtttctc	gaagagccaa	gcactttgtg	aattctgggt		900
tgtttgtaaa	acagcattat	tataatgtag	gtatgggtcaa	tgagcagtg	tgtccatcac		960
atatattata	gaagcaagcg	aggacattcc	accctagaaa	tgggttcagaa	actcataggc		1020
acccttagct	gatggaaaca	atcaatcata	tttaatacgc	ttagaatcag	ttttactcca		1080
atcagctggc	aattttgagc	tgccgggttat	acacccaaa	gttctgttca	gtacctagct		1140
ctgctctttt	atattgcttt	aaatttttaa	agaaattgta	ttgcatggat	gtggttat		1200
gtgcataatt	tttaacaatg	cccaatctgt	atgaataatg	taaaacttga	ttttttttta		1260
aaaaaattag	atttttagctg	gagcttttga	ctaattgtaa	gtaaatgcc	aactaccgac		1320
ttgataggga	tgtttttgta	agttaatttt	ctaagacttt	ttcacatcca	aagtgatgct		1380
ttgctttggg	ttttaactgt	ttggccacgg	cggggggtggg	ggcggggggg	tggtacaaaa		1440
acttgaagct	gtttgtgata	tgtacaactc	agatgtttct	cattaaaaaa	caaaattagc		1500
cagaaaaaaa	aaa						1513

```
<210> 4626
<211> 1085
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1086)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (891)...(637)
<223> similar to gil80950 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 4626						
tttttttttat	aggtggagaa	attcaggtct	aatcaacact	tctttattga	agagaccacc	60
cctgtgtata	gactttggag	tggccctggg	ggagataagt	gtgggtggga	gagaagatcc	120
caaaactacca	aaagtttgct	ccatgtcaca	acctgcccta	ggcctccagg	ccaatgtgaa	180
cagacaggca	caaggttgag	caggatggat	ggtaaattgcc	aagctgggtg	cagtgcagg	240
ggcagtgcca	gtctgggtcg	acctcccata	aagaagggat	tcacaaggag	acattggaag	300

```

gttgggagga ttttgaagaa ggggaaaaaa aagaggtttt ccctgaggct ggaaaagctg 360
agccacagtg tgggtttttga cagggcctgg cctaaactgg atgtccacag ttgaagtaga 420
ggggcatcat gggatgtcag gctggaaagg gcagtgcagg tcccacacaa caggcaaaag 480
ctctagcttt ggcctggagg cagcagggag ctccctgcagt tctaaactgg ggtgggtaga 540
actcttgccc ccaggatatgt ccatggcctag tctccccagg gcctggatgg tgggggcaaa 600
cccctctttg gctccttcct gcatagccac ccttagaatt gcctctgctt ctcaggctctt 660
tgagactggt acagactcat ccaaaaagcc atcttcttct ccttgagctt catgcccact 720
cttgtggtaa aatccagctg caggtacttt tcatccttgt tgtagcgtgg ccagcagggc 780
agattcccat cattgggggt tctgtgctgg gcaaagtggg ccagctattt catcatctgg 840
aggctaagtg ccttctcctt acccatggaa aggcctgggg gcagaatggg atgtgggatt 900
tcggacagag caggggacac tgacctccca cctactcct gctgcttctg ctgcttccgg 960
agcagaagac tttcatttgg gagagcataa cagattagga actggtgagc tccctgtggc 1020
cagccaatgg aggggtgggt cgaattccac cacactgcac tagggtcagc gaactcaagn 1080
gcgcg 1085

```

```

<210> 4627
<211> 1061
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (781)...(563)
<223> similar to gi4106984 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4627
tttttttttt ttgctgttca cccaatgata ttttattatc aggtatcctg gctggcccag 60
gacccagaga cagacaagct ggggccaagc agggcgagc atctgagacc cattttacag 120
gtaagaaaga caaggagcag aggcctgcat gaaactgcag taagcagcag gcgccagggg 180
gcccacccc actggaatcg cctgccctgc cctgagcctg gccacagtg gctgccacat 240
ttcagacagg gcagtgagtg atgggatgtg ccctttgccc cctctggtag ggcgtggggc 300
tgggggaagg agcaggacag taacatccgt gctgctggct gggacccaga agtggctggg 360
acatgggggc tgctttcttc tgtgtagagg cctccctaca aggtccccc ctccccgac 420
cctttaccta gggcctgcca gaaaacactt ctcatgtga aggggacaga actaatgggg 480
gacagtggag gacatggatc taccgccatt cctgagtcac acgactcacc cagagtcacg 540
gccagactg ggcctggggg catggcgcca ggttgcccc ctggcctgtc cacagctctc 600
ggagctcgac atgacaaccc aggtcccga gggcgccctt ggccacgtcc tcacagtcac 660
ggtgggcaga tcgggcctgc atgatgagtg cctcagcccc caggctccagg atgggcttcg 720
agaaggcctg gccgtgggccc accaggtttc ggatcagcat gcaagcctgt ttctgtagga 780
gagagcagct gtgagctgcc agatggggct ttgaggtggg gtccactctg acctcagggt 840
cttcatcata acaagatgga ggtgatcata accacagctg acatccagca gctgcctata 900
ctgtatcaag ctagacccat ctctctactt taccctcttg gcagcccac aaggcatggc 960
taactccag gcaaggaaac aggtcaggg aagctccaag atctatccta tggctttgga 1020
actctcagcc tcagagttgg tgagcctgag gtcccacgaa a 1061

```

<210> 4628
 <211> 1096
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (7)...(581)
 <223> similar to gi5689736 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4628
 tttcgtccca ctccatctct cccggccagt tggaagtact cctccaatgt ccgagcacct 60
 cctcctgtgg cctataatcc tatccactcg ccgtcttacc cactggctgc tctcaagtct 120
 cagccatcag ctgcacagcc ctccaaaatg ggcaagaaaa agggaaagaa acccctcaat 180
 gcattagatg tcatgaagca ccaaccgtat cagctcaatg catccttggt tactttccaa 240
 cctccagatg caaaggatgg cctccccag aagtcacag tcaagggtcaa ttcagccctg 300
 gccatgaagc aagctcttcc tccccggcca gtgaatgctg cctcacctac gaatgtgcag 360
 gcttcgtcag tgtactcggg accagcctat acctctctc ctcccttctt tgcagaggcc 420
 tctcaccag tcagtgcac cccagtgcct gtgggcattc ccacctcgcc aaagcaagaa 480
 tcagcctcat catcttattt tgtggcacca aggccaaagt tctcagccaa gaaaagtggg 540
 gtcacaattc aggtgtggaa accatctggt gtggaagagt aatcttgtag ctgaagctga 600
 gtgtccactt tgcttgaaat gaattgtttg cagtgtttct tgagtccctg agaatgccta 660
 gcaaagtcct caacttactt aatttccagat atgtcacctc ctaatctggg tccaaggagt 720
 ataataattt taatgagtca aaaatccaac tcagattgac ctaaaatata tttatcttct 780
 ttgcacactt aaaaaatcca ggagcacccc aaaatagaca tgtaccgtta tattaagtaa 840
 gcaggagact taggatttgt gctgtagcca caagaaagac agtgatcagt gatatcaaac 900
 atcaggaatc agcctttatg taacataaca gctgtccttc tatggtgaaa ggttcaaagt 960
 tagtgaaggt ataacctata ttgactgaga tttccctttt aggtagtgcc ttatctctat 1020
 tactagtgtt aaaggaataa ggaatctatg aaggacaggg agcagctctg gtctgtcaat 1080
 ctcagccacc tgtttg 1096

<210> 4629
 <211> 1490
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (34)...(696)
 <223> similar to gi4138215 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4629
 aactcctgca tcatggaaaa tgggcaccag ccgggggcag agaagaattc ctctttcacg 60
 tgggtctgtc caagctctgg ctacggggca gtgacagcaa gaaacacag caatagccca 120
 ccgctggtga caccacccca gtcgcccgtg tccccgcagc cgccagccat aactcaggtc 180

catcggcagg	gggagcgtcg	cagggagctg	gtgaggctcg	agacgctgcc	ccgcacctcg	240
gagggcgagg	cccggaaagc	attgtttgag	aagtgggagc	aggaaacggc	ggccggcaag	300
gggaaaggcg	aggcccgggc	caggctgaag	cggtcgcaga	gcttcggcgt	ggccagcgcc	360
agcagcatca	agcagatcct	gctcgagtgg	tgccgcagca	agacgctggg	ctaccagcac	420
gtggacctgc	agaacttctc	ctccagctgg	agcgacggca	tggccttctg	cgccctggta	480
cactccttct	tccccgatgc	ctttgactac	aactccctga	gccccacgca	gagggcagaag	540
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gtggaggaca	tgatggtgat	gggcccgaag	ccggacccca	tgtgtgtctt	cacctacgtc	660
cagtcgctgt	acaaccacct	gcgtcgcttc	gagtaaagcc	cctgagcctg	gattgccaaa	720
gagcagcccc	aggaagaggc	cgggggtccg	cttgcgattc	cccagccagg	atgccccccag	780
gagccttgcc	gtttggtgtg	agcgcgctgt	ttgttctgtg	gcatgtgacg	gcactcccct	840
tcgagccccag	ctgtgttact	gattaaaagt	actgctgagc	tgtggtccga	cagcactgat	900
cccagccaag	ggcttgaggg	aaaaggaaaa	attatgagag	agagagagcc	cttgggtgcta	960
agtaatgatc	ttcctaaaga	aatgcttggtg	tttatagctt	ccagaatgct	aatctacaat	1020
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cctccctctg	ggccactgcc	aggaaacaga	gagaccgctt	aatcagcagc	ttgacaaaga	1200
agacctcaag	tcttggaag	aaacagttta	atcactccca	agtcctgggc	aacagatgac	1260
cttcaagtca	cctccgctct	ccggggagat	gggaaggctc	tcctctcggt	cccaaagtcc	1320
tcctgttctt	cccaggaggc	cccacaagtg	tttggctaag	cacaggctct	cggaatttta	1380
acacttttgg	ggaaggaata	ggccctttgt	gctgaaaaaa	agtttttatt	cacatctttt	1440
ttaggggatt	tgctgcagat	atttataaaa	agtaactccc	tctgtaccac		1490

```

<210> 4630
<211> 2030
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2031)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1993)...(893)
<223> similar to gi5565872 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4630	
gtgacatttt	ttcatacaat atgtaatgta atcatattaa acatttagac accctcacat 60
aattatttta	gggcctagta gatgaaattg tatttcacag aaacaaggat aagttgagat 120
ggagacacag	tgccatagct cagaagtcac tggaaagcac ctgatcacca tagtaaagat 180
ggccaagggc	ttctgacctg attaaaaataa ggagtcatat aagaaatggc tttattagaa 240
aaaatgtagt	gtacatgtgg ctaattttcca tcatcgatat acctcttggc tattttatca 300
ttaaaattgg	atacagggtt tgaacttctt tagaagttag tggcatatct tcctattctg 360
atatgtgact	tagggaaggc gttatcttca tatgatagac accctttatt tcttttcata 420
attacaagta	atcagtagtt tagcactggc acaaaacaga gagagaatta cttaggtagt 480
gctttatgtg	taagaagtca cacttccaac ccagaagca ggcacaggta tgccatctgt 540
agagttttta	aatcccctat tatcactcaa gtctccatt attattacct agtagtaatt 600

```

aaattaatgt gataatctgt aacctaacaa aacctctgaa tgaagtttct ttcttctccc 660
tcttttcctg ttagatgtgc aattctgagc aaatgtgcag tgtgcagtat tgatttccag 720
cctcctttta aactccttca agtctgtgct attaaacgga gacaaccaca tcaagataga 780
gtctgtcata ggattccctg aagcacagaa tgaggaggag actgagcaaa cacgacccgg 840
gaaggcacca gttgaaccaa gacaactctg tatgataaaa tgtgagaaaa aataaaagta 900
ctcccataaa catattactt aaaaaagtga caactccaca agtaattcct tctggaactg 960
ggtagacagt ttccacaaaa agctcaaaaa atataggcac gctgctattc aagaacactc 1020
ccaggagaat acaggaggca tacaatgtca ctgtggttaa aggtaggtgt gtgatgctgt 1080
tcaaacaggt caggggtgaac cacgtggatg acagtgtagc tcccgaaaac aggaggagaa 1140
gaattagttt cagcataccc ctgataaaat ctgcaaacct tgccatagct attccaacaa 1200
cacagcctcc aactatggac caaaatccaa tccagccagc atctacttgg ctgacatgcg 1260
ctggtgttaa aattaagtcc agaactccag accagccagc aaatacacca agtggatatg 1320
catatgctaa agcaatcatc aaaaatcgaa aattgcttaa taatctacaa acgcttctcc 1380
gataactcag ccgctggcta gctgcagcaa cactgggagg aagaggagggt cgggggtgga 1440
aataagctag tgttgagaa aatattaagc agacaactcc aaattctgca tataacacag 1500
cctctatgcg atctttaata tgcgccttgc tgctctctgc agcaagaaga ggtgatgtcc 1560
cattgggagc tgaacaaca agtgggtcca ctaaaaatgc acatgctccc ccaagataac 1620
tgagcattga tgcaatagct gtggctgtgg ccttttcata tgcagaaaac cacgtcgtag 1680
agagaaatgg tgctgcattc attacagttg gacctgcaa tccatttaac atctgtcctc 1740
catgaattaa tcttctttta aggattaagt ctgatatagg tatgcatctt agaccagttc 1800
ccaaaacat aaggaaggat gtcaggagca cagttatccg gagacctctc ttgtccagga 1860
gccacatgaa cgcgaagcag ggcaggaagc cgatgggccc ccacagcacg agcagcgcg 1920
tgtccagct ggagaagccg taggcaaggc ggcagaggt ctggatggga cccaggtgt 1980
tccagtcag gccctaccga acgccagcag tnnnnnttcc acactcatct 2030

```

<210> 4631

<211> 816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (808)...(187)

<223> similar to gi5689537 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4631

```

tttttttttt ttgaagacta agggtaagct tttatagttg attaagtcac acagtgcaaa 60
gaaagggcca ttgacccttt tggtaaaggg agggctggaa gccacacaga ttaagttcaa 120
tggatagtcc gtatatatcat gtgatgagga acacccaaac taaatttgtg cttcttaggt 180
tggtcattct gaatccgat gcacttctga agcatcagct cggcaaattg ggcaagtacg 240
atttgcccta agccatttgt caacacactt ggcattggaac tcgtgggttac agggtaagac 300
tctaagtagc tgccttgact caaaatcaca catgcatact acacacaaag tctgttctga 360
ctggtgggtt ttaggattga accgataaga aggaagttgt tcaatatctg ctttagtcag 420
tccacgaggc ttgacctctc ccagtcgctc tgccagggtt aacagggcct cgtaattttc 480
tacttctcca tcttctacat ctaattcaaa gctgaaagtt gggccactg caggtggcac 540
tggaagcatt gataacacat atggcagtaa gctgggatga taagggggag gtggtattgg 600
ctgctgggat cggatatctac tacgtcctgt aagcctccga ggcataaatg gaggataagg 660
tactccaaag gacacctcct gatgcaaagg atcatgtgtt aagaactgca agggagctga 720
tggaggtaat gttggggggg gggctgatgg agggtaagta aaacctccta ctggaagatg 780

```

ttctcctaag agttccactt cattttcctc gtgccg

816

<210> 4632
<211> 3775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2229)
<223> similar to gi3327150 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4632

gctaagagga	gtccctgtgt	gggcagctgg	agccttcaga	ttctcttcag	gggaagagtc	60
cacatccac	ctcatcatgt	cccgaagaag	ccagcgcctc	acgcgctact	cccaggggtga	120
cgatgacggc	agcagcagca	gcggagggag	ctcgggtggct	gggagtcaga	gcaccctggt	180
taaagacagt	cctctcagga	ccttgaagag	gaaatccagc	aacatgaagc	gcctgtcccc	240
agcgccacag	ctgggcccgt	cctctgatgc	acacacctcc	tactacagtg	agtcgctggg	300
ccacgagtcc	tggttccac	ccaggagctc	cctggaggaa	ctgcatggg	acgccaactg	360
gggtgaggac	ctgcggtg	ggaggaggag	aggcacgggt	ggctcagaga	gcagcagggc	420
cagcgggctt	gtggggcgca	aggccaccga	ggacttctct	ggctcttct	cgggctactc	480
ctctgaggac	gactacgtgg	gctactcgga	tgtggaccag	cagagttcca	gctcgcggct	540
ccgaagcgcc	gtctcacggg	cgggctcctt	actctggatg	gtggccactt	cgccaggccg	600
gctcttcaga	cttctctact	ggtgggctgg	caccacctgg	taccgcctga	ccacagctgc	660
ctccctcctt	gacgtcttcg	ttttaaccag	gcgcttctcg	tccctgaaga	cgctcctctg	720
gttctctgct	ccgctgctct	tgtgacgtg	cctgacgtat	ggtgcttggt	atttctaccc	780
ctatgggctg	cagacattcc	accctgcttt	ggtttcctgg	tgggcagcga	aggacagcag	840
gagggcggtat	gagggctggg	aagccagaga	ctcatcgcca	catttccagg	ctgagcagcg	900
tgttatgtcc	cgggtacact	ctctggagcg	gcgtctggaa	gctcttgctg	ctgaattttc	960
ctccaactgg	cagaaggagg	ccatgcggct	ggaacgtctg	gagctgcggc	aaggggctcc	1020
tggccaggga	ggtggtggtg	gcctgagcca	cgaggacacc	ctggcgctgc	tggaggggct	1080
agtgagccgc	cgtgaagctg	ccctgaagga	ggatttccgc	agggaaactg	ctgctcgcat	1140
ccaggaagaa	ctgtctgccc	tgagagcaga	gcacagcaa	gactcagaag	acctcttcaa	1200
gaagatcgte	cgggcctccc	aggagtccga	ggctcgcatc	cagcagctga	agtcagagtg	1260
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ggcggaagaa	gtgggcctgc	tgccccagca	gatccaggcc	gtgcgggacg	acgtggaatc	1440
tcagttcccg	gcctggatca	gtcagttcct	tgccccagggt	ggagggggcc	gcgtggggct	1500
ccttcagaga	gaggagatgc	aagctcagct	gcgagagctg	gagagcaaga	tcctcaccca	1560
tgtggcagag	atgcagggca	agtcggccag	ggaagccgcg	gcctccctga	gcctgacgct	1620
gcagaaagaa	ggtgtgattg	gagtgacaga	ggagcaggtg	caccacatcg	tgaagcaggc	1680
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cctcttcggc	atccccctgt	ggtaccactc	ccagtcaccc	cgagtcatcc	tccagccaga	1860
tgtgcaccca	ggcaactgct	gggccttcca	ggggccacaa	ggcttcgccc	tgggtccgct	1920
ctctgcccgc	atccgcccc	cagccgttac	cttagagcat	gtgcccgaag	ccttgtcacc	1980
caacagcact	atctccagtg	cccccaagga	cttcgccatc	tttgggtttg	acgaagacct	2040
gcagcaggag	gggacactcc	ttggcaagtt	cacttacgat	caggacggcg	agcctattca	2100
gacgtttcac	tttcaggccc	ctacgatggc	cacgtaccag	gtgggtggagc	tgcggatcct	2160

09430705 "04.04.00

gactaactgg	ggccaccccg	agtacacctg	catctaccgc	ttcagagtgc	atggggagcc	2220
cgcccactag	ccctgcttac	tggtgcctgc	tgccagccat	ctgggagtgg	gtgaacagca	2280
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tgggcaagga	agcgaggccc	tctggggagga	gggtgcttag	ctccagagca	ggatgggact	2700
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ccacctaggg	aagcatgaac	cacagggtcc	ctgagggcct	tcgacaaaag	tgtgtatttg	2820
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tctttggggc	cattagcatc	tggggttata	gcaagaagag	tggggagcat	ggaactcctg	3120
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agcaggcccc	actgtattat	gtatataatt	ttcaaggctt	gtttttctaa	ctgaaaagct	3420
aagggcttga	ttcctagccc	cgttctgtgg	ggcactgggt	gatactcagt	ttcttgttcc	3480
tggccgtgga	gaggggcctg	gggcactggt	tccggtgtg	tctggtggtc	tggctgcggg	3540
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ttgttttgcg	ctctcctgtc	acaaatgctg	cactattggt	tcttaagttt	tttatctcca	3720
gatcctaatt	tatgcctatg	caaaaaataa	atgacqccca	aaagcaaaaa	aaaaa	3775

```
<210> 4633
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(462)
<223> similar to gil359830 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

3284

<210> 4634
 <211> 1117
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (171)...(757)
 <223> similar to gi532812 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4634
 gtcagggtccc gtcagcagcc tggctcatgg ctgtgtgcgg cctgggggagc cgtcttggcc 60
 tggggagccg tcttggcctg caagggtgct tgggcgcgc caggctcctg tatccccgtt 120
 tccagagccg cgccctcag ggcgtggaag acggggacag gccacagcct tcctcgaaga 180
 caccaggat cccaagatt tacacaaaa cgggagacaa agggttttct agtaccttca 240
 caggagaaag gagaccaaa gatgaccaag tgtttgaagc cgtgggaaact acagatgaat 300
 taagttcagc tattgggttt gctctggaat tagtcacaga aaagggccat acatttgccg 360
 aagagcttca gaaaatccag tgcacattgc aggacgtcgg ctgggccctg gcgacaccat 420
 gctcctcggc ccgggaggct cacttaaagt ataccacgtt caaggcgggg cccatcctgg 480
 agctggagca gtggatcgac aagtacacca gccagctccc accactcacg gccttcatcc 540
 tgccttcggg aggcaagatc agctcggcgc tgcatctctg ccgggccgtg tgccgccggg 600
 ccgagagacg tgtggtgcct cttgtccaga tgggagagac cgatgcgaac gtggccaagt 660
 tcttaaacag actcagtgc tatctcttca cgctagccag atatgcagcc atgaaggagg 720
 ggaatcaaga gaaaatatac aagaaaaatg acccatcggc cgagtctgag ggactctgaa 780
 atcacagaaa gtgggagctt ggaggatccc tccatggcga tggccgtgga gagaggagct 840
 tgcccttctg gggctcctgt tcctgaagag ctacaccaga gaggctcaaa gcagcctttt 900
 gtcccagctc agctttgatc tacacctctt gccaccttcc tcaagggact gtgacccttt 960
 ggggattctg cccctgaccc tgcttcccca agctctcctg ggtcttggag ggatgtggga 1020
 atgaattggc attgcaggaa agacaggtaa agtgattgct gcaatgagaa ggagctgtgc 1080
 ggaaaaggaa taaaagttgg aaaggctaaa aaaaaaa 1117

<210> 4635
 <211> 966
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (514)...(679)
 <223> similar to gi998352 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4635
cgacccacgc gtccgcggac gcgtgggcgg acgcgtgggc agagctggaa aagttggagt    60
tgtttttggg atacttggag agctggcttt cttaaagtgc gctttgagga ctggtgtgta   120
aagcacttga ttcgtcttcc ctttgctgga gttatggggc tgggctttta cactgggggt   180
ctgaagtaac aaacaaagtc agtccagaaa tagttgctca gcaatctcat tgttacagtg   240
tcgcaaaatg agctcatatt agctttatatt tctgctacca atagagtgtt cctaagtatt   300
taaagtgtgt gactcctttc ttatagagcc agcaagctgt attggaatca cttttccagt   360
gttgtaaagt ttatttttgt gggtcagtca gtatactcgt gaatgacaga aaaacagatc   420
ccaacaatgc aaagtattat atgtgtaaaa aagaacagaa aaaagaagct gccttgtag   480
taacgggctc tatggttttt ctcacaaaga ggtcatgacg ccagtcagat cacactagcc   540
ttggggcacag ctgcctccta cccaggggcc tgccaggctc tcggggccat gctgtccaaa   600
ggagccctga accctgctga catcacgcgc ctgttcaaga tggtcacaag catggaccct   660
cctccggttg aacttgtaag ttgcttctca agaattccca atgtcagctg gtaagggtgac   720
tttgaaagt ctgtgcttgc ctgattgtct gaaggctgtg aatgcaaata catcattgtc   780
ctggtccttc ctcagtcaca ctctctgcct ggagcctgtt gggccctgc tgtgtaggga   840
taccctgagg ggaggtgggt gagcagtgcc ctcacgcctg ccatcccgaa ctgggcatat   900
gcttctcctc agatccgcgt tccagccttc ctggacctgt tcatgcagtc actctttaa   960
ccaggg
966

```

```

<210> 4636
<211> 1138
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(813)
<223> similar to gi2707256 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4636
cggacgcgtg ggtcgaccca cgcgtccggc cgctctcgat cttagaacta ggaactggaa    60
cagcagtaat atttatctct ttaacctctc tgtctctgac ttagcttttc tgtgcaccct   120
ccccatgctg ataaggagtt atgccaatgg aaactggata tatggagacg tgctctgcat   180
aagcaaccga tatgtgcttc atgccaaact ctataccagc attctctttc tcacttttat   240
cagcatagat cgatacttga taattaagta tcctttccga gaacaccttc tgcaaaagaa   300
agagtttgct attttaattc ccttggccat ttgggtttta gtaaccttag agttactacc   360
catacttccc cttataaatc ctgttataac tgacaatggc accacctgta atgattttgc   420
aagttctgga gaccccaact acaacctcat ttacagcatg tgtctaacac tgttgggggt   480
ccttattcct ctttttgtga tgtgtttctt ttattacaag attgctctct tcctaaagca   540
gaggaatagg caggttgcta ctgctctgcc ccttgaaaag cctctcaact tggcatcat   600
ggcagtggta atcttctctg tgctttttac accctatcac gtcattgcga atgtgaggat   660
cgcttcacgc ctggggagtt ggaagcagta tcagtgcact caggctcgtc tcaactcctt   720
ttacattgtg acacggcctt tggcctttct gaacagtgtc atcaaccctg tcttctatatt   780
tcttttggga gatcacttca gggacatgct gatgaatcaa ctgagacaca acttcaaata   840
ccttacatcc ttttagcagat gggctcatga actcctactt tcattcagag aaaagtgagg   900
ggcttgtgaa acagattgtt ctacagatga atctgtaagc cagttacagt ttgctttaac   960
tcatagacat caatcagaga gtgtcacaga ttaaccttg atctaaagac aagttgtacc  1020

```

```

cagagtatgt gaaaagaatg ggatgacaag aatgtaactg ggTTTTTTTtC ttcctctaaa 1080
aaattgaaaag gaggtggaac tgcccttatt gtttgggcat gtaaaactccc aaaatact 1138

```

```

<210> 4637
<211> 1460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1461)...(565)
<223> similar to gi388309 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4637
TTTTTTTTTT ttctctcata aagtagtttt atttagattt caaacaacc aaagcagggga 60
aaagagtcgg ccacggtgaa tccgtccact ctgtgctgga cgtgggctcca ggacctggag 120
ctgacaggca ggaccggggc cctcggaacc ctacacctgg gcctcccagg ctggtagtgt 180
caggaaacgg cccccggccc acgttcccag cagcggcccc gtggctcctc cgggggtgcgg 240
ccagtccgga agctggggga ccccggtaga agtcgggctc agctcccctc ccgagggggac 300
aggtgggccc gccgctccca cctggggccc gtccaccgag ccccgaggtg aacgtgagtt 360
gggcgggtgg ggggcaagcc ccttctttct tcttgaaagc aacgttgaaa acccagaaca 420
gacatgggga aggagaaaaa gccaaaacga aacaaccaga ggagacgggg accagcaca 480
aacctccgtg aggtagtctg tcgtctaagg agccacgggt ccggccctag tgaggtaaac 540
tcggcaagtt tattctggtg gtgtcaggac tcctccgtgc cagagtcac ccatcgtcc 600
ccgaagcagc tgtcggcctc ctccctccacc tcgccgtcct cgtagtagtc gtcgtagaag 660
aggtttgagc cctcgtcggg cgccggcgcc ttggtcttca cgcagtactc ggccagcgtg 720
gtgggcacct tcacgccgtc acgtcccgcg tccaccttgg tcccaggac ctgcttccgg 780
atgatgtctg tgtactcccg atccttcccc ttgctctctt tccacttcct gtacatcacg 840
gaggcgtcca cgtttgcggg cgagaagggt ttgggctcgt tcaggaggga gatcacactc 900
aggagaatgg tcctgacgtt ctgcgtgggg ttccacctct ctgagggcag ctccccgctc 960
tggggggtcgt ccaccggcggt gtggaggatg gagatacaca cgtcccccggt ctcgtagatg 1020
ttaggggtgcc acatcttggt caggaaccga aaggctggtg gagagtatgg gtagtcgatg 1080
gggaacttga ggcgcgcctt gaagtagccg ccctcgtagt aggtgttggg gggcccgaag 1140
atggccacct ccagtttga tagatcgccc tcgtccacca gtgtcacgcg gaatccctcg 1200
accggtctct cctgcagccc cttgagctcc agcagcagcg cttctgcga gctggggact 1260
agcggccgag ccatggcggc ggcggagggg cccggggctg gagcagcgcg gggccgcgcg 1320
accaccgcga gttcgcgaga cgggcccggc cgcgcaccgt ccggggggga gccaccgggg 1380
ccgcccgtg cctcctcctc tgcgcgcgcg ccgcccgcgg gggaccccga gcgctccagc 1440
agctctggcg ccgcccgaat

```

```

<210> 4638
<211> 578
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (3)...(347)
 <223> similar to gi5052520 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4638
 ccgggcgccct gctggccgtg ggcaccgacc tgtacgggca gcgcagcagc gccccggagc 60
 aggagctgct ggtgcaggac gccacgccgg tgagcaactc cctgcttccg gagaaggcct 120
 tcagcgacat cccctcgccc tacctgcgcg ggaccatcaa gatgatgcag gcggtgcgcc 180
 aggctttcca ggaccaggac gaccggcgca cgtgggatgg gcggccctc accatggccg 240
 ccaccttcga cgactgcctg tatgccttgt gcgtgggtgga caccatcaag aggtccagcc 300
 agacgggcga gtggcagaac attgccatca tgaccgagga gccggagctg agccccgcct 360
 acctgatcag cgaggccatg cgccgcagca ggatgtccct ctactgttag cacagattga 420
 gaacctcggg gacttgagcc ttctgcaggg gatgtccaca gagagggaag ggccgagggg 480
 agaggggtgac catggggaat gtggggatca cggaggtgga ggggcagtgt gaataaatgg 540
 catctaggaa ggtaaactcc aatcccgtg accgaccc 578

<210> 4639
 <211> 1200
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)...(910)
 <223> similar to gi3874230 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4639
 ctggtgcctg tgggtggtcat tgacagctac tattatggga agttggtgat tgcaccactc 60
 aacattgttt tgtataatat ctttactcct catggacctg atctttatgg tacagaaccc 120
 tggatattct atttaattaa tggatttctg aatttcaatg tagcctttgc tttggctctc 180
 ctagtcttac cactgacttc tcttatggaa tacctgctgc agagatttca tgttcagaat 240
 ttagggcacc cgtattggct taccttggct ccaatgtata tttggtttat aattttcttc 300
 atccagcctc acaaagagga gagatttctt ttccctgtgt atccacttat atgtctctgt 360
 ggcgtgtgg ctctctctgc acttcagcac agttttctgt acttccagaa atgttaccac 420
 tttgtgtttc aacgatatcg cctggagcac tatactgtga catcgaattg gctggcatta 480
 ggaactgtct tcctgtttgg gctcttgtca ttttctcgct ctgtggcact gttcagagga 540
 tatcacgggc cccttgattt gtatccagaa ttttaccgaa ttgctacaga cccaaccatc 600
 cacactgtcc cagaaggcag acctgtgaat gtctgtgtgg gaaaagagtg gtatcgattt 660
 ccagcagct tccttcttcc tgacaattgg cagcttcagt tcattccatc agagttcaga 720
 ggtcagttac caaaaccttt tgcagaagga cctctggcca cccggattgt tcctactgac 780
 atgaatgacc agaattctaga agagccatcc agatatattg atatcagtaa atgccattat 840
 ttagtggatt tggacaccat gagagaaaca cccggggagc caaaatatc atccaataaa 900
 gaagaatgga tcagcttggc ctatagacca ttctttagtg cttctagatc ttcaaagctg 960
 ctgcgggcat tctatgtccc cttcctgtca gatcagtata cagtgtacgt aaactacacc 1020

atcctcaaac	cccggaaagc	aaagcaaadc	aggaagaaaa	gtggagggtta	gcaacacacc	1080
tgtggcccca	aaggacaacc	atcttggtta	ctattgattc	cagtgcactg	actccctgca	1140
agtcacgcc	tgtaacattt	gtaataaagg	tcttctgaca	tgaatactgg	aaaaaaaaaa	1200

```

<210> 4640
<211> 1943
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1946)...(1386)
<223> similar to gi5531815 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4640
tttttttttt ttgtttttca taaagctatg ttttttttca acttaaatga gaagccttta      60
ttctgagatt acattcttcc taatttttagg ggctaaaata ttttttcttt tacataatga      120
tgctgatagc agatggctat ttgtttttgt ttgtttatgt ttgttttatg tccttagctg      180
gcaaaattaa aagccagaag ctaaggcccc attttttttc ttttaataca aatctactgg      240
tgcttaaaac tcagagctta ggaaacacag cctaggtaaa gaccaatctt cttgctgcat      300
atctcacagt attgaattct ttcttggtga gttctccata caagttatga agcaggataa      360
aagtcagtct tatattaagt cattgtaaat acggccttaa tttcaatcac caaagaaatg      420
tatttttggt gtataccatg gttgcagcat gttttattaa aactaattat atcaatagct      480
acctgtagag tatcaactta aaaattataa tgccatttct atgaagtcac tacttttata      540
ggactagcct gtgtcatatg tgtgatcaat attggtttaa tgcagaaaca aaggcagctg      600
ggtgtccaag caagccactt ttctgggtca ggggttcagt ggtaccatag atggctgcca      660
gtctcaatgt acactttggc ccatattatc ttataaatca taccatatag cttcgatatt      720
tacatacatt taaactgaga agaaatatgc attataagaa agcatagttt agtgggcttc      780
atgtgtcaga aataattcca tatttcacaa ttattttcat gtcattagct acccttgata      840
aagaacaatt ccatataaat gtacaaactg gaagataatt ttataaaaacc gtaaagagat      900
ctttgtaaat tgcagtgtgt ctgcttataa acaaatcaaa tcgatctcca tttcttcaag      960
tgtcaaaaac aaaagagtag ctggacattg gtttttataa tcagtttcag agaaaataca     1020
ggaataatga tcaatggcat tttgaagcag ataaaactgc caagttttat gcttgagtct     1080
atcattctgt gatttgctat aatagtattc ctttctatta ggtgttcccg acaatattag     1140
ttctatatcc atttgatatg agcatttata ttaaacttca aaattacctc ggatagtatc     1200
cagaatatat gtcagaaacc cctaaaagca acttctatgt tcctcttaat taagataata     1260
tttagtcatg ttaataacta ttgaaatgac aaggtcagat tttcaaaacc agtaggggtg     1320
tttgacgtga acgtgcatat gctggagcat ctggccaagt tacaatgcag ttatcaatgc     1380
ttagttcttc ttggttttct tcagatagtg agcccgtgta gacttggtca tattcatgac     1440
tattttcaaa taaatccaag aaggcagggt tgagattatc aagcccataa gagcatggat     1500
caggatatcca ttggttcggg attgcaggcc gactgtttta attgcagact tcacaaacgt     1560
ctccggagag ggcttatcca aagtgggctt ccggatttta gccagttttg tagctacgaa     1620
gtatggcagg acactctgca caaagacgcc cttgctccta tactcctcat ggaggcactg     1680
agagaagaaa tctacaaaag tcttggttgc agaatagatg gtcaagagtg ggacagggag     1740
catgccactg ccagatgaaa tgttcagaat agcccctttg gatctttcca ccatgccagg     1800
cagtaccaat tgtgtcatct tacaacacaga aagaatatta atattttatca ttttcttgat     1860
cacattgtcc aagtcaggaa catccaaaaa gtattcagga tactcatacg acattctcac     1920
gttggttact aagatgccga ttt                                     1943

```

09483725.042100

<210> 4641
 <211> 2272
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2268)...(1547)
 <223> similar to gi2289786 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4641
 tttttttttt ttaggggtct ggcttttctt ttagttctca tcacactagg gctctcagtc 60
 acagagaagg cacttaaagt ggaaggccac ctgatgcagg ccaaccatat tcaccccccg 120
 cccacccgct ctggggggagg ggagcacaac gacatcacca cttgacatcc cccttggcac 180
 tgggtatgtg gtcccccata ccgttagacc ctgggggagag cccaaggcct tgacctccgg 240
 aatcgccatg ttaggaggag gggcttcaga aacagttgga aggcaggata tcctgggagc 300
 tgcccccagc cagcagggga tcaggcaggg ggctgtagga gatgggttgg cacaggggaa 360
 ggggacagct tggtcgggct tcctggagat ccccaaacc cacaagaagg cccacctcct 420
 acagatcccc caaaggcacc ggtgaaggat gggcaaggag gcatgatga gctggcgtag 480
 agacccccca cacacactta gctggtgggc ctgcatatg ctgggcacag aaggtgctca 540
 agaaatgttt ttttgaatga atgaacggag caaaggggtg tgagggacag aggacagggc 600
 ctgggcccct tggcccagct tgttccattc agaaaatagc agtttaaaaa atgtaaaaat 660
 cctttccctc cctcccccca acttctgggc ccaggaaaagg ggcaagggag ggggtgtctt 720
 accctgaccc ttccctctct ccttccccta aaaatctata tacacatgta catatttata 780
 tggcaccaca aggggggtcc tgccatgccc cccacgctca gagctggggg agccaagccc 840
 cggggctggt taaggcagaa gtctgaggtc attgcttggg tgatgcaggg agcagccctc 900
 agctgtcggc cctggagaag ctgcaactgt gggcctgaag gacagaatcc tgctgccttc 960
 cccagtggta acagacctcc cctccctcca aggcagaggc aaagggttgg aggggccctc 1020
 tcagtcccaa gggaggagggt ggggcagggg gaggggctgg ttctccctc ccagcctaga 1080
 gctgtgcccc tgggaaagct gggcggggaa gagggggctc tatgcaaggc acttgatgtc 1140
 caccgttccc agactggggg tccaaggcag gaacctgcc ccagggaagc agaaccggaa 1200
 ggggccaagg ggcccaattt ggcagcagag aaacatggca gcatggacag agacagaaaa 1260
 agggagcagc aggcagggcc cccaggtcc cctgagaata ggggaggagg tttgaaggca 1320
 ctgacacggg gcctggagct cacggtcctc agtgagcct gctgccccta caccgcctgg 1380
 tggggctggt ggggggagac cccgttccc catggcactg agtgtggcgg cggcccatgg 1440
 gttttcctaa caaaggcctg ggcagtcttc ctgggaggag gtgtgggtat cattggtcag 1500
 gggcaggtcc tggccccatc accctcacta gctccctggc cgtggctgcc tgagcactga 1560
 gtacacgtcg tccacacggc tgagttgctc gaagaagggg aggaggtcgt ggagctctgt 1620
 gtcactcatg ttgtcaaacc acgaggccac cggtagacga ttgtctggat ggaagacata 1680
 ggaggcaggt gaattgtcca ggatgagcac ccgcccagg tctcgaccca accggtcag 1740
 gtccttcacg tagttcccc ggtggaagac gcaggactct cgaaacagcc gggcccggaa 1800
 ggccccccat ttgtccagca ggtcagctac tgggtctgcg tacttggcga ggctagcagt 1860
 gaacagcaca cattcaaaga gctcgcccat tcgctgcagg aactcatcca cgtgaggacg 1920
 cttcaacacg tagacctggt ggaccacccc atcaatctcc acagggatga tgaagtccgc 1980
 gttgttcaat ggcttgaagg agctgtgcac cagggtctcg tccaggtcga tgaccacgca 2040
 gatcttgtct gagtctctgg ccttggcctc agggagcagg tattggactg ggggtctgctt 2100
 agggatggcg ccattctcct ccacaagcag gggcgccccg ctgtgagcag gcagggcctc 2160
 cccatcatcc cggcagacac agcagaagag tgagtggagg atgccccggc ttcggggctt 2220
 ctgggaagct gctgacttct ggtcaccttt gccccgcagc gggccccgag cc 2272

09485725 "0.1.1.00"

<210> 4642
 <211> 2174
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2176)...(1289)
 <223> similar to gi5052031 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4642
 tttttttaaa ataaatcagt gtgtttttttt attttgagcc aatgtttttac ataagaccaa 60
 caaactaagt gtgggcaaac tggtcaatca cttttgagaa attacatggt tcctatttag 120
 gtttgaaaaa gtagtttggt gccataacat cagaccttaa ggtgttttaa agtgtatcct 180
 aagggtactg acagaagaaa aatacagtggt tatggaagta tacacaactc atgaccacac 240
 agtatagatc cattcatggt gaataatggt catctgttct ccaaaggtag tgaaaaatat 300
 taagtcacat aataaatgct cagaattacc aaggaacagt taaaaaggac caggatccaa 360
 acaggttatt tatatattta tctataaaca agtgacaaca ctaaaaaaca cattgaaaac 420
 cagtgtttta aactctgaat gtgggatttta aaaatattcc attaacttga gattgcaata 480
 atttttttta accaaatagc atttgactgg caagtctcat ataatttaca gctgtaatat 540
 tcctaaaagg aatatctaca tactatagcc tatcaaatat aatctgcatt ttgcaaatca 600
 atacaaaaat ctatccatca tttatacatt ttatatattat atacttttta aaaattagat 660
 tttattgcta ggtgaatttg gaattcaaat taaatttgga aacttaataa tgctcttctc 720
 ataaccttct ccccatctct tttttaattt ttaaacactg gaagcaaatg attatcaaaa 780
 tgagactgca acttaaggca ttttaaaaga aaaaataatt aggtgccata tagcatttta 840
 tttcaaaagt atattttgtc ccacttttct cactagcaag agtaaaacac aaaccttttt 900
 tcataaatat gactacagta atcataacac aaaaaagggt tgataggcat tgcttagata 960
 tttaaaacaa gggtaatact ttcccactca cctaaaagaa aaaacctttt tgattaccag 1020
 tttataaaca tcggatttgc tatgttaaaa agtccagcag aattttaatt cagcaacact 1080
 ggagaatgaa tatatatata caggcataca tgtgtatgta tatattcatt ttatatatag 1140
 tcaatgtatt tattaggcat tccccacaa aagtaattta tatttaattg ccatttttaa 1200
 taaacactta tgttcacaga tcatccatct gtcttatatg aagttaggca atatcaaatg 1260
 tcctgttatg gtctccgtct tcttcggaat catcctctga agtttcgaga tcttccatat 1320
 gtgcctgaag agttcttgca aggttaataa atcggacacg tgtgcttggt tcatttgtat 1380
 ttcccatcat atcagaaaag ctttgttcgc acaagtgcaa taacaccact aggtagagac 1440
 cagagctgat aaactcatal tcagcttggt catttgcatg agctctatgt agttcatgaa 1500
 tatcaaaatc ctccaggtta agctccaact tctctttaca tagttcacag gtggttacag 1560
 cttctaataga agaaccagag ttaatttttg cctgtaacca ctttttcata cagtcttggt 1620
 ggacatactg caaacttcct gtgcacttgc atggctctat cagcaaatta gatgatgatg 1680
 cagctgccat ttgacaaatt ctacataagt caccttcttc ttcttctgag tcctctaaaa 1740
 ggaggctctc ttttattttc tgcaatcttt ctggatctct tgaaggcgca ctttttagttt 1800
 tatcactttt accatcagct gaattccaac ctgaagggaat aatatctact gtgatcatga 1860
 cattgtcggg caaattactc ccaagtgtct gggggactgc aaaccggaat aaggaaccag 1920
 gaagaatccc tgatattcct gtatttcttc caccttgagc cgaatctgat gtagagccac 1980
 ctgttggtggc actgcttgat gctgcagatg cttgtggtct gttggcagca gctccaagag 2040
 gatcattctg tgcttcaagg tgaaccactt catttgattc tcttctaaaa atatgagatc 2100
 tagatgatgt atcagaggta ggtatccttg aagattcatc tcttccctct cgcctccttc 2160
 tagagaacaa aggt 2174

<210> 4643
 <211> 1266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1267)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1266)...(965)
 <223> similar to gi3411233 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

0040375280400

<400> 4643
 tttttttttt ttgcttcaaa atattttaata cgtgttagac acgtagaagt tacattttta 60
 tacaaaaatc aatacaacga aggagaaaat actgtacaaa aaccttatca gctcccccaa 120
 cctttatata acaaagactg gagtcacat atctacaaaa ccataagggtc tttccacttc 180
 gggcttctgt ctgtaaactc tcattaaaca ctttttaaaa gcactgtgta gtacttctga 240
 cctagagctt ttaaaaatat atcttttctc tataaactcc attatttcca agcttgaact 300
 cttctgtgaa gttcgtcaag ctttttctcc cctgcgggga agcaaaggac cgtaataacg 360
 cccctttcct agagtaatca caggatataa acgtttcttc attgggagag aaagggtggg 420
 agggacagaa ggaatccaag tctgtgctct tggctaaatc cctctcgtct taggaaatcc 480
 tgtgcggaaa cgccactcct ggccctgaag cgggtctagc tttccggtga ggggtagggtg 540
 taaagtccct cctcccccgg agaacgaatg gggaactccc cggcccaaac ctttttagccg 600
 cttccttctc cacgcagccg gcagaggaaa gtccctgtct gcccccaatc tcttaaacc 660
 tggggaagga gtggtgcatt ccagaagagc aaaatagtct taatgccaca agacaaactt 720
 acatacacag acatacaca acacaaaagt taacgatcgt cctcttccaa tgagcctcaa 780
 gctcccaggt ctccagataa gccagatgcg ccggtgggca gtttgcgatg ccagagggca 840
 accagtctgc ccaacgcgct cagcgcgccg ggtctctggg cgtcctcgca gccgggaagg 900
 gcctggccct cacttcgggg acgcccgtct ctccacctcc tccccgcagg ggggccaaagg 960
 gctcagaagg ccacgatggc tgtgtctccag gggttcatgt ctctcagcac cggcttatcg 1020
 cagcagatct gcccgggctc ggcggtctcc ggaccgtct cctctccctc ctcttcctct 1080
 ctgccgcccc cggggctttt ccgtaggagt cccgagaaac tggaaccgaa gatgctgatg 1140
 aggttagcca cgttcccggg ctccatctcc tccgcgtcct ctccctctc ttcctctctn 1200
 ccnccgnacg cgtgtgtcgn cagntancaa gnnncatcga atgccccatg cnnnaaaacc 1260
 ccgtct 1266

<210> 4644
 <211> 1954
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (10)...(839)
 <223> similar to gi3769519 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4644

gccatgaagc	cgggtggaac	ccacagtttt	cagatgctct	tcacgatacct	gtccactggc	60
tccgcactga	aagcgcagag	ctacgaggat	gcctacaggt	gcatcaagag	cagcatcctc	120
ctgggctcca	tctcaggagg	caccgacatc	atctcctgct	tcatgggcca	caatttttct	180
cttcctgtgt	ataaagggga	gattcaggcc	cggaaacctgg	gcatggccgt	ggaagcgtgg	240
aacgaggaag	gaaaggcggg	ctggggagag	agcggcgagc	tgggtgtgtac	taagccgatc	300
ccttgccagc	ccacacactt	ctggaacgat	gagaacggca	acaagtacag	gaaggcgtat	360
ttctccaaat	tcccagggtat	ctgggctcat	ggcgactact	gcagaatcaa	cccccaagacc	420
gggggcatcg	tcatgcttgg	ccggagtgc	ggcaccctca	acccaacagg	ggtgcggttc	480
ggcagctcgg	aaatctataa	cattgtggaa	tccttcgagg	aggtggagga	cagcctgtgt	540
gtcccccagt	ataacaagta	cagggaggag	agggatgatcc	tcttcctgaa	gatggcctcc	600
gggcacgcct	tccagcctga	cttggttaag	aggatccgtg	acgccatccg	catgggcttg	660
tctgcgcgac	acgtgcccag	cctcatcctg	gaaaccaagg	gcatcccgtg	tacgtcaac	720
ggcaagaaag	tggaaagttgc	cgtcaaacag	atcatcgctg	gaaaagccgt	ggagcaagga	780
ggtgctttct	cgaaccccga	gaccctggat	ctgtaccggg	acatccctga	gctgcagggc	840
ttctgagtca	gactggctgg	cgtgtcactc	agccgcaccc	gtgtgcaactg	taacttttgt	900
gtgctcaaga	aattatacag	aaacctacag	ctgttgtaaa	aggatgctcg	caccaagtgt	960
tctgtaggct	tggggaggga	tcgtttctct	gttttgtaa	atctgggtggg	tacctggatc	1020
ttccacacga	gtgggattct	ggccttcaga	gaccaggagg	gagtgtctgg	gccgcagggtg	1080
tggcactgtg	gtgagagtgt	gtgtctttgc	acacacagtg	cagcgggaac	ggtggggctg	1140
gctgggtgctg	aagacagaca	cactcctgag	ccaaggtctt	gtcttcaacc	tccccgtccc	1200
gttggtcccat	tttgctctgt	gaagggtgcaa	atccctttct	tcccttccca	tctcaggctc	1260
tctgtttttc	cctcagggtc	cagtatgcct	ttgagcttta	gctgttagaa	aggaaccccc	1320
gtgacttgac	acagctttca	cagctggctg	ctaggaccgg	cgggctgggt	gttcacgtgt	1380
gtctgtgtca	tggatgcaat	gcaggccctg	gaggactgtg	cgtcaccctg	caaccagagc	1440
gtgcctccgg	gccagcttcc	ctccaaggaa	tgagtggatt	tcatacagga	tctctttatt	1500
gcacagactg	aatggcttta	catgtttcta	atgtgaatta	ggcatgtgaa	gcagtgggtg	1560
tccaccctgtg	tccctcatgg	gtgagccctc	cagctgtgag	cccaggcagt	gtggtcaccg	1620
agtgaggacc	ctcctcacca	ggaaccgcct	cctgtgtctg	cctccacctg	agagttgcta	1680
gggggttctt	gtcgagatca	tgtcatcagc	accctaagt	caagtcacgg	gtttccatag	1740
ccaggcagtt	ggtatgtaca	attcagttca	gcgtatgaac	ttgtatctct	aatctgatgt	1800
ccatttttat	attttttgaa	actgagcaca	atgaaatcct	ttcttgaatc	attttccttt	1860
tggattataa	aaatatgggg	gaaagtgtca	tgatgaattt	tatgcaataa	atgtatacat	1920
gtgtgcacat	gcacccatgc	tgtgaaaaaa	aaaa			1954

<210> 4645
 <211> 1095
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1032)...(897)
 <223> similar to gi206 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4645
gcttcgttga ctatggcccc tgggtgtgca ccaaggcctt ctgccttgac ccagccatgg 60
cctgacattg cgtgtcttgg ggccaccagc aaggctcagt gagagtgtga gccaaggggc 120
gtgcttccca ctcaggcagg ccagcccctc ctgcccact gccaccccct tcccccatgt 180
gctccggctc aactcaagtg accccaccac aggccctgtc ccatgcacaa atatgccaca 240
gacaggcaag gacacactaa ttttattttg aaatagggac tgcaagggca ggctcgtatt 300
gagaaggatg gccccctggg tgtgatgagc ttggggcctc atctgctcac cgtgcacgcc 360
ctggagtcct ggctaccag catgtccaaa ctaagggcac cccccttggg aaagggattg 420
cagagacggg gagcttctct gtatcccctt acaggcagga cagggggctg ggggtgcagaa 480
gcacttctgg gggagacctg ccctaagctt tccaagctgg gaggaagggg acgatctggg 540
gtccagcagg ctctggggc ttgggggtcca cttcccgttt cttcccttgg gaattggaag 600
aaccgaacca aaagcctctt ctgttggggc aaggactgag ggggtggggc tgtatctcca 660
gatgttgaag ccagggccct gggccccaac cctgaggggg ccaacctaga gggaggtggt 720
gggctcctgg tgactggtat taatatgtag ggggagacct gaggttgag tcccatcctg 780
gtgtccagggt gccatctggg ctaggagggc atctcctcaa caggaatcct gagcagggtt 840
tagagcacag tgggcaggag ggggagggtc tggacttcag cagggcctcg tgctagatga 900
tgccatattg ggccagctcg tgcagctcca ggtggttgaa ggcctcccaa gggcagatga 960
ctgtgatgtc tgttcccagg ccttccattc cagggatgtc gtccccaac cgtggggcgt 1020
gtcgggggcg gctccccag gtcgcctttc ccatcccgga agctcacctc ctgcagccgt 1080
ttcaccagca gcgtc 1095

<210> 4646
<211> 2414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2407)...(1949)
<223> similar to gi5824753 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4646
tttttttttt ttacagataa acatttttaat tgttttaata tattactttc atgatctttt 60
tgaaatcgca cttgtactgt actaatcaac agccaaagca tataagaaag tttaaaacca 120
aaaatattct gacatgaaca catgacagga accgctgcta tgtaaagtaa catacactgc 180
tccccagaa caatgatatt tttaggagat aattcatctt aaccatgtgc caggacaaaa 240
tttgtaatca aaggctggaa gaaatatata ttagtgacct ctttttaaaa gtttatttta 300
catttttaaaa acagtatttt tctcataaaa aaaaaaatcc aggaagggcc taactccatg 360
gttttttata catatgtaca tgaaagctga cagagagcct gacaaatgtt ttggatgtaa 420
cagtatgaac acctatgagc tgggactact tttgaatcaa aattaaaaaa cccaaattaa 480
gcactgctta agaaaaaaaa aatccagttt ctgaacaacc aaaagagaac agagttagat 540
atgtacaaaa ccagggtatta aaaaacagaa agaaatacag cacacaaaaa actcaaacaa 600
cccatatgta gtgaactgta tatactgcag ttaatgaaaa ccctcctaca agaagtgatt 660
taggatttga aatttttaaaa atctaagtac ttcagtaaca acatacaata acaacattaa 720

gtgtatatattg	ccatcttttgt	catttttctat	ctataccact	ctcccttctg	aaaaacaagaa	780
tcactagcca	atcacttata	caaattttgag	gcaattaatc	catattttgtt	ttcagtaagg	840
aaaaaaagat	gtacctcttc	ccgtcaataa	agaaataaca	caaattaaag	ctataaaatt	900
taagcatggg	catatgtatt	tccaattctc	cttaataagt	aattccaaac	tggataaatg	960
tggggtttgt	gactaagtag	taacaaatta	aaagaaaata	gactgtctct	ggcagtgatt	1020
tccatactag	tgcaatgtta	cttcccata	gctgaattat	atttaaattga	ttttatgtat	1080
tttaattcag	taggtgcaa	tttgagttta	taaaatcctt	aattttattc	tttgtgcaga	1140
aaagtttcaa	tttgagatac	tctatgaagc	caaaacaaaa	caaaacaaaa	caaaaaacct	1200
gtatttttgt	actagtagta	tgaataccaa	ataaagatac	aaggattcaa	agtttgtgga	1260
agttcctgaa	gaaaaatctc	tgaggtgttc	tacgtatctt	gatacttcaa	ttatcaatta	1320
gttttgaaca	ttctagttta	agattatctc	agaaaataat	tctctgtaat	ataactctga	1380
actaaacagc	tgaccccaa	gcagaaacaa	tctgggtcat	tctgaacgag	atcaaactga	1440
ggccatttct	ttttctatta	taatctgtga	ggtgttgagt	ttttaagttt	taaaaattggc	1500
ctttaatcaa	agccagctgc	acctgatata	gactgtgtta	cttatggatt	tcaaattaga	1560
ggaccctgta	actacgggct	ctcataagac	acatggagca	ggcagcaagg	ggctaacct	1620
cagccgggta	aggccaacgt	tgggggtgtt	tattttggag	actttaaata	tttaacatgt	1680
agctcatgta	acttcagcat	ccactagtga	ctctgctggt	cagcacccaa	gggctggatg	1740
agtctgagga	atctccttta	accccaaagt	atgaatgcta	aagagtctca	aggaaatttt	1800
gattcccagc	aagagttcac	aaaccatcag	accaatatca	ataaggtaaa	ctgtgactct	1860
aatgctccac	aaaagtaaaa	agaaatttcc	aaattaaatg	tcatcttctg	cccaacccta	1920
gactccagac	tttgtaacaa	catttttatc	tagtataata	gactctgtag	tagactgatt	1980
ttgaccgcca	caaagagtag	gagttgtcaa	acttgaggag	atagactcct	ctccctggat	2040
attgatggct	gccagcatac	acctcctcat	gacagtcccg	tcggtacaca	ggcacaatct	2100
catccagcaa	aggcttgttg	gcattctttt	tggctttctc	ttcacaaccg	atgttttctt	2160
cttctcctc	gtcgtcatcg	ctggactcac	tgacatgcac	gctgacagca	gtgtttggag	2220
agtctgtcca	ttcaaaaatac	accccaaacc	caatgtcata	attgtctgtg	gcaaattccc	2280
aaaaaaaaata	tgatccttct	tcatgggtgg	gtactogaac	agtgaccact	tctcctcggc	2340
ccactgtaat	cacggaatct	gcatcctgct	gaatcctctc	tttgaagtct	ttgatctgag	2400
gtcgtgtaca	ccta					2410

```
<210> 4647
<211> 3183
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1511)
<223> similar to gi642252 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4647						
tgaaatcgaa	ttgccgtgct	cagaggattt	gaattttggaa	actttgtccc	aagcacatgt		60
ctacataaatt	gcaggagcct	gcttgtctct	gggttttcga	tttgctggct	cagaaaactt		120
atcagcattt	aactgtttgc	ataaatttgc	caaagatttt	atgacttatt	tgtccgcacc		180
taatgcttct	gttacaggtc	ctcataacct	agaaacttgt	ctgagcgtgg	tgtgtgtgtc		240
tctcgccatg	gtcatggctg	gctcaggaaa	cctaaagggt	ttgcagcttt	gtcgcttctt		300
acacatgaaa	acgggtggtg	aaatgaacta	tggttttcac	ttagccacc	acatggccct		360
tggacttcta	tttttgggag	gaggaaggta	ctctttgagc	acatcaaatt	cttcatttgc		420
cgctcttctc	tgtgcccttt	atccgcactt	cccagctcac	agcactgaca	accggtatca		480

tctccaggct	ctccggcacc	tctatgtgct	ggccgcggag	cccaggcttc	tagtgctgt	540
ggatgtggac	acaaacacgc	cctgctatgc	cctcttagaa	gttacctaca	agggcactca	600
gtggatgaa	caaaccaaag	aagaattgat	ggctcctacc	cttcttccag	aactccatct	660
tttaaagcag	attaaagtaa	aaggcccaag	atactgggaa	ctgctcatag	atttaagcaa	720
aggaacacaa	cacttgaagt	ccatcctttc	caaggatggg	gttttatatg	ttaaactccg	780
ggcgggtcag	ctctcctaca	aagaagatcc	aatgggatgg	caaagtttgt	tggctcagac	840
tgttgctaac	aggaactctg	aagcccgggc	tttcaagcca	gaaacaatct	cagcattcac	900
ttctgatcca	gcactttctg	catttgctga	atattttctg	aagccaactg	tgaacatggg	960
tcagaaacag	gaaattctgg	atctcttttc	ttcagtactc	tatgaatgtg	ttaccagga	1020
gacccagag	atggtgcctg	catacatagc	aatggatcag	gctataagaa	gacttgggag	1080
aagagaaatg	tctgagactt	ctgaactttg	gcagataaag	ttggtgttag	agtttttcag	1140
ctcccgaagc	catcaggagc	ggctgcagaa	ccaccctaag	cgggggctct	ttatgaactc	1200
ggaattcctc	cctgttgtga	agtgcaccat	tgataatacc	ctggaccagt	ggctacaagt	1260
cgggggtgat	atgtgtgtgc	acgcctacct	cagcgggcag	cccttggagg	aatcacagct	1320
gagcatgctg	gcctgcttcc	tcgtctacca	ctctgtgcc	gctccacagc	acctgccacc	1380
tataggacta	gaaggagca	caagctttgc	tgaactgctc	ttcaaattta	agcagctaaa	1440
aatgccagt	cgagctttgc	tgagattggc	tcctttgctt	cttggaaatc	cacagccaat	1500
ggtgatgtga	ccgtgtctgg	cggtgaacct	accctgaaac	gtgacttctg	cacaacaaac	1560
gtgaccaaac	atcaaagcta	aagcaatggt	tataaagttt	tatggtataa	ctagggggaa	1620
atgagctgca	caaacctcaa	tgtattttta	atctgttgct	gtcatcatta	acggtatatg	1680
acatatataa	gcaagttaaa	atttactttt	gtaaataaag	tttttggttt	gtttccaaaa	1740
ctcttgatga	ttgctttagt	tttggtactta	tagaatagag	caggggttgc	tggagtgaat	1800
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ccaagtttta	aaagaagcta	tgtcataaag	ttttactttc	tgtgggcaaa	agagcgcttt	1920
agccatttcc	tcagatgtca	cagttgtcct	gtctaaaata	agtttgtact	tctggtgaca	1980
atgccagaca	ctcttatgat	gtgatcacct	taaacaggag	aaggagattt	ttgccctcag	2040
ttgctcaaca	tgaagtactg	tggactgaat	tgtgtcctcc	cagaattata	tattgaggcc	2100
ctaataccctg	tgtgactgta	ttaggcaata	gggcataatg	gagattacta	aggttaagt	2160
aggtcatcat	aagggtgggg	ccttaattca	gtagaattgg	tggcctccta	agcagaggaa	2220
gagagatttt	tctttctctc	tctgccatgt	gaagacagtg	aggagtcggc	cgtctgcaag	2280
ccaagaagag	cccttatcag	gaacagactt	ggctagcacc	ttcatcgtgg	acctccagcc	2340
tccagaattg	ccaagaaaat	acattttccg	tcgttgaaac	ccaccagtc	tgtggtatTT	2400
tgttatggca	gcccaggcag	actaatatcgt	gaagcctgct	ctaaatagat	aaaataagaa	2460
attactacag	agggctcttt	agaaattgta	tttaaaaaa	agacaatcca	tatttaccta	2520
agatttacag	aatgtatgtc	tataaaagga	gggatttctg	gactagatga	tgatgaaaaa	2580
tgttcatata	aaggcacctc	cagcttcgag	ttgccaacac	aggaggaaga	atgctccctg	2640
ctgttcagat	gctgatatgt	gtcctgtgct	tcctggaatg	gccagtggga	tcataagctg	2700
gtagaagcaa	gaccttcac	cactgacttc	atatttcttc	cacatcctga	actgtggtgt	2760
ttgactttta	aaataaatta	aagcaaatag	aaatgtttcc	cattgagatt	ttggcaaaaa	2820
cccacatgac	atttgcgtct	gccagagtag	acttggaagg	catgcaccct	ggaggccaag	2880
tggatttctc	tggactctct	gtccttgcat	ttgcgtggct	gccccgagga	ctcgcttctt	2940
cctggatgtg	aagcagaggc	acgatggggc	tgactgagag	gctgaaatgt	gcttctcttc	3000
acagttacat	agttttcttc	taattaaaaa	taaattttta	gtggtagatt	atgaaaattc	3060
catttgaatc	aagattttta	aaattcaata	tcaaaccagt	tgttactgtc	ttcaactctc	3120
gttggttacg	attgtgtgct	tttccctgaa	taaagaatga	ctggagagac	attaaaaaaa	3180
aaa						3183

<210> 4648
 <211> 1633
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (2)...(549)
 <223> similar to gil854550 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4648

cgccgtcccc	tacacggatg	aggccccggcg	gtcgcgcctc	aaccggctgt	acggaatcca	60
aggcatcccc	acgctcatca	tgctggaccc	gcagggcgag	gtgatcacgc	ggcaggggcg	120
ggtggagggtg	ctgaacgacg	aggactgccg	ggagttcccc	tggcacccca	agcccgtgct	180
ggagctctcc	gactccaacg	ccgcgcagct	taacgagggc	ccctgcctcg	tcctttttgt	240
agattctgag	gatgacggag	agtccgaggc	ggccaagcag	ctgattcagc	cgatagctga	300
gaaaatcatt	gccaagtaca	aagccaaaga	ggaggaggca	ccccttctgt	tcttcgtagc	360
cggggaggat	gacatgactg	actccctgcg	agattacacc	aacctgcctg	aggctgcccc	420
tttgctcacc	atcctggaca	tgtcagcccc	ggccaagtac	gtgatggacg	tggaggagat	480
cacccccgcc	atcgtggagg	cctttgtgaa	tgacttccta	gcagagaagc	tcaaaccgga	540
gcccatctag	cgtggctccg	gcctcctgag	acgttattta	aaactcagcc	ttctcctcct	600
ccccctcctt	ccttcgcgcc	ttggacttac	ccagcgtgcc	ccgaatccca	ccacccaagt	660
gtccagcctc	tctgtggtgc	cttgtttctg	cagtaaaactc	ctcagccagc	accctgggggt	720
gcggaatcag	cagcggcaga	gtccaccgtg	tttggagact	ctgtttggga	gcacgggatg	780
gccggggggcc	cggccagagc	ggggctgcat	ggctttcgca	aagtcactag	cttttgggtga	840
aggatctgcc	aggggtgtcct	gggcagagtg	agcgtggagg	gccggtgggt	cccgtctcggg	900
ctctgactct	gacgtcggca	cacacggccc	cggacggcca	gagggggaacc	gccgggtgac	960
acctgcgtgg	aggctgagct	gagaaaagggc	ctccgcttag	agctgcgggt	gaggacgtcc	1020
ttttctaagc	gacacagtct	tcctcgttct	gagagaaaag	cagcccactc	ttgtgttctc	1080
aggcagggga	tctccaaatg	caaaaggaag	cttgtagagg	ttttttgggt	gagaagaaaa	1140
atgtagctaa	ggtaatggtt	catatcatac	aaacagctcc	cacgatcctg	aaattctgtt	1200
aacgaatcct	tctctttgga	catcttccca	agaaacttag	ccctgagtcc	taggaggagc	1260
acctctgcac	cagcacggac	ctctcgctcc	acccagctct	gtgcccgaag	cccctgatct	1320
ctgctgaggt	gcccacaccc	acgttcgatc	acccctgccca	ttccctttta	ttttcttttt	1380
tttgagatgg	agtcttgctc	tgtcgcgccag	gctggagtgc	agtggcacca	tcttggctca	1440
cttcaacctc	cgcccccaag	gttcaagtga	ttctcctgcc	tcagcctccc	gagtagctgg	1500
gattacaggc	acccgccacc	gtacctggct	aatttttgta	tttttagtag	agatgggggtt	1560
tcaccatggt	ggccaggctg	gtctcgaact	cctgacctca	gtgatcacc	gcttcggctc	1620
caaaggctgg	gat					1633

<210> 4649
 <211> 2214
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2215)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2192)...(1784)
 <223> similar to gi215136 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4649
atcaaaatag gcaaaggtcg ttgggaaggg caaatTTTTT aacgccctgt tttggctttg 60
cctccgacaa taaaagataa ccccatccta cgaatatcaa gaccaacttc catttccgca 120
ataaaatcac caaactccgt tgccccggta aacaacagcc cagttcccat tgcaaagtct 180
gaagcccaac atggtgatga ttctgctgct tgataaattt tcaggtattc gtcagccgta 240
agtcttgatc tccttacctc tgattttgct gcgcgagtgg cagcgacatg gtttggtgtt 300
atatggcctt cagctattgc ctctcggaat gcatcgctca gtgttgatct gattaacttg 360
gctgacgccg ccttgccctc gtctatgtat ccattgagca ttgccgcaat ttcttttggtg 420
gtgatgtcct caagtggagc atcaggcaga cccctcctta ttgctttaat tttgctcatg 480
taatttatga gtgtcttctg cttgattcct ctgctggcca ggattttttc gtagcgatca 540
agccatgaat gtaaccgtaa cggaattatc actgttggat tctcgctgtc agaggcttgt 600
gtttgtgtcc tgaaaataac tcaatgttgg cctgtatagc ttctagtgat tgcgattcgc 660
ctgtctcttg cctaatacaa actctttaac cctgcccttg ggggtcccctg gtaagcaagt 720
aaatatccca ttgtttcctt aataataaaa ggtaaggagg gtaaaatccc ggcgctcatg 780
acttcggcct tccttcccca tttctggatc ctcttcaaaa aggccacctg ttactgggtc 840
gatttaagtc aacctttacc gctggattcg tgggaacagg atactctctt ccatccttaa 900
ccggaggtgg gaatatcctg cattcccgaa ccatcgacg aactgtttca aggccttctg 960
gacgtcgctg gcgtgcgttc cactcctgaa gtgtncaan acatcgcaaa gtctccgnaa 1020
ttacacgcag aaaaaaaccc ccaatcaggc ggcttgggtg tcttcagggt cntcaattcg 1080
aatattgggt acgtctgcat gtgctatctg cgcccatatc atccagtggc cgtagnagnc 1140
gttgatgttc tccgcttcga taactctgtt gaatggctct ccattccatt ctctgtgac 1200
tcggaagtgc atttatcatc tccataaaac aaaacccgcc gtagcgagtt cagataaaat 1260
aaatccccgc gagtgcgagg attgttatgt aatattgggt ttaatcatct atatgtttt 1320
tacagagagg gcaagtatcg tttccaccgt actcgtgata ataattttgc acggtatcag 1380
tcattttctc cacattgcag aatggggatt tgtcttcatt agacttataa accttcatgg 1440
aatatttgta tgccgactct atatctatac cttcatctac ataaacacct tcgtgatgtc 1500
tgcatgggag acaagacacc ggatctgcac aacattgata acgccaatc tttttgctca 1560
gactcttaac tcattggata cttcatttat taaactcctt ggcaatgtat gtcgtttcag 1620
ctaaacggta tcagcaatgt ttatgtaaag aaacagtaag gataataact caaccgatg 1680
tttgagtacg gtcacatct gacactacag actctggcat cgctgtgaag acgacgcgaa 1740
attcagcatt ttcacaagcg ttatctttta caaaacccgat ctactctcc tttgatgcga 1800
atgccagcgt cagacatcat atgcagatac tcacctgcat cctgaacca ttgacctcca 1860
accccgtaat agcgatgcgt aatgatgtcg atagttacta acgggtcttg ttcgattaac 1920
tgccgcagaa actcttccag gtcaccagtg cagtgttga taacaggagt cttcccagga 1980
tggcgaacaa caagaaactg gtttccgtct tcacggactt cgttgctttc cagtttagca 2040
atacgcttac tcccatccga gataaacct tcgtaatact cagctgctc gttgagtttt 2100
gattttgctg tttcaagctc aacacgcagt ttccctactg ttagcgcaat atcctcgttc 2160
tcctggctcg gcgtcggtgc gaattcctgc agcgcggcgc aaaagcggtc gaag 2214

```

```

<210> 4650
<211> 435
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (8)...(296)
<223> similar to gi458692 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4650
ggaattcgtc aagatctgga caccacacagc taaagctgcc actgatctta ctgggttaaa      60
gaaggtgatt aagaagaaca agtgggaacg agatgaagac agcttgcacc atggcagcct      120
gtttgaccag tacatgcttt ggttcctcct gcgtcacgtg acgcagagag gtcgtcacca      180
ggactggaga agtgggtgaag ctgaatttcc agatgaagaa tcggatgagt cttccagcac      240
ttcagagaca tctgaggagg aggtccaaga ccgagtgcag tgcattgccat cctgaaggcc      300
tcatatccag tccagctaca tgccacctaa gtacactgga cttttaaatt cagtttgact      360
aatttagaat tgtcaataga ttaatagatt tgctttttgt cttctatttt ccataatata      420
tgctgaaaac cgtct                                     435

```

```

<210> 4651
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (474)...(319)
<223> similar to gi623604 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4651
gcggtggaat tccttcagca tcaaatactc tcccctgcc aacctctccc aaaaaggaga      60
ccagtaaagt gaagttttta gccagaggca gccagacaag ctccaagga attagaatag      120
cttcaggca ccaagatgtc actactcaaa gatgaccoga tacagcaggg ataggcgaga      180
cacattaact tcagaggatg tggcaggagt gaagaccacc tgcccagtca cctgccacac      240
gcaacagccc agggccccggc aggggtgacc tctgcagagc tgccccacca agacccttg      300
atactcctcc acgctcctaa gtcacttacc tcaccaaagt gcttctcgat gatgttcaaa      360
gccgactggc caatttgacg gttctcatgc agctgtaaag cctcaattct atcgatccca      420
ccaagttctt ctatcagaag acacagggtt tccttctcag accagttctc tgc                                     473

```

```

<210> 4652
<211> 1722
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1723)
<223> n = a,t,c or g

```

```

<220>

```

<221> misc_feature
 <222> (1)...(1480)
 <223> similar to gi4589281 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4652

cctcctctaa	gtcttgagcc	cgcagttcct	gagagaagaa	ccctgaggaa	cagacgttcc	60
ctcgcggccc	tggcacctct	aaccccagac	atgctgctgc	tgctgctgcc	cctgctctgg	120
gggaggggaga	gggcggaagg	acagacaagt	aaactgctga	cgatgcagag	ttccgtgacg	180
gtgcaggaag	gcctgtgtgt	ccatgtgccc	tgctccttct	cctacccctc	gcatggctgg	240
atttaccctg	gcccagtagt	tcatggctac	tggttccggg	aaggggcca	tacagaccag	300
gatgctccag	tggccacaaa	caaccagct	cgggcagtgt	gggaggagac	tcgggaccga	360
ttccacctcc	ttggggaccc	acataccaag	aattgcaccc	tgagcatcag	agatgccaga	420
agaagtgatg	cggggagata	cttctttcgt	atggagaaa	gaagtataaa	atggaattat	480
aaacatcacc	ggctctctgt	gaatgtgaca	gccttgaccc	acaggcccaa	catcctcatc	540
ccaggcacc	tggagtccgg	ctgccccag	aatctgacct	gctctgtgcc	ctgggcctgt	600
gagcagggga	caccccctat	gatctcctgg	atagggacct	ccgtgtcccc	cctggacccc	660
tccaccaccc	gctcctcggg	gctcacccctc	atcccacagc	cccaggacca	tggcaccagc	720
ctcacctgtc	aggtgacctt	ccctggggcc	agcgtgacca	cgaacaagac	cgtccatctc	780
aacgtgtcct	acccgcctca	gaacttgacc	atgactgtct	tccaaggaga	cggcacagta	840
tccacagtct	tgggaaatgg	ctcatctctg	tcaactccag	agggccagtc	tctgcgcctg	900
gtctgtgcag	ttgatgcagt	tgacagcaat	ccccctgcca	ggctgagcct	gagctggaga	960
ggcctgaccc	tgtgcccctc	acagccctca	aacccggggg	tgctggagct	gccttgggtg	1020
cacctgaggg	atgaagatga	attcacctgc	agagctcaga	accctctcgg	ctctcagcag	1080
gtctacctga	acgtctccct	gcagagcaaa	gccacatcag	gagtgactca	nggggcggtc	1140
gggggagctg	gagccacagc	cctggtcttc	ctgtccttct	gcgtcatctt	cgttgtagtg	1200
aggtcctgca	ggaagaaatc	ggcaaggcca	gcagcgggcg	tgggagatac	gggcatagag	1260
gatgcaaacg	ctgtcagggg	ttcagcctct	caggggcccc	tgactgaacc	ttgggcagaa	1320
gacagtcccc	cagaccagcc	tccccagct	tctgcccgt	cctcagtggg	ggaaggagag	1380
ctccagtatg	catccctcag	cttccagatg	gtgaagcctt	gggactcgcg	gggacaggag	1440
gccactgaca	ccgagtactc	ggagatcaag	atccacagat	gagaaaactgc	agagactcac	1500
cctgattgag	ggatcacagc	ccctccaggc	aagggagaag	tcagaggctg	attcttgtag	1560
aattaacagc	cctcaacgtg	atgagctatg	ataacactat	gaattatgtg	cagagtga	1620
agcacacagg	ctttagagtc	aaagtatctc	aaacctgaat	ccacactgtg	ccctcccttt	1680
tattttttta	actaaaagac	agacaaattc	ctaaaaaaa	aa		1722

<210> 4653
 <211> 1812
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1606)...(1309)
 <223> similar to gi841318 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4653

```
ccagcgaggg gtaatgatga ggggggcaat ccaggggtca ctaaaacctt gggcagcact    60
tgctgggtct gctgggttacc gccattcttc gctaacttac ttccagggtca aagggtctggg    120
aagaaggggag ggagctagac agctggaacc agccaggga cgcggcagct tgcaccccag    180
gactgaagt gcagcgagga caggcgccat caccactgg cagcctggcc ctcccgctct    240
caggcctctt cacaatgggg tgcataatgg aagttgggtg gtctgaacca acccagaact    300
gaggggtgag gtggagtttc agttccaaaa ccactgtggg tgtgacagca tgaagccctc    360
gctgtgaaga ggagccctcc catcttctca tgggtgtgtca gggaactgac acccacttct    420
agctccctgc ccccatcagg gccgaggtag tgggggtctg ccctgtcccc catgccccgc    480
cccatggtga gtctgcaccc ttctgtgac agatccccc gcaggccaca caatagagaa    540
tctggatcta ttgaaacatg tttaaaacgg ggttgggtcac aacaggatgg gcacaaatgg    600
gagcggggga ggggagtggg gccgcaccag cccctgccag tgcctgaggc tgcagcctgg    660
cgagtgcctt tgcttctgct tctccacgct ggtggttoga gatggtccca agccccactg    720
gggcaggccc tgccttgccc tgcagaggca ggggtggctcc acttccccat ctccctcccc    780
atgggctgca ggggcattta tgatgcccac cagggtggcac tgtcgcgctc ctccctccct    840
gtctccgtgg ctcaaaaca ggttaagggg agaggtagat ggggagacgt gggggccaca    900
cagtctccgg tggcagttag ggagcttggg accctgaggg gggcatgctg actccttgct    960
ggagaaaagg cacctagata ggggagctgg gcttgggggc ctcccagggg gtcctggggg    1020
gaggtgggga gggaggctga acgaagcagg aagcagggtg gtgggcagac cccaatcctg    1080
gtttccaaac cctcaccggc tgcgggagaa ggaagaagga aggagtcttg gagcagagcc    1140
ctgccctggt cccctacgcc tgagcaagcc tcatccctt cccacctggc cccacgcaa    1200
gcccagctcg acctccttcc cacttcccc ctgccggctc caggccttcc gcagaggggg    1260
tggaagggtta cagaggcctc aggcctgctt ggtgccgggg tccacctct tgtgggcca    1320
gagctccttg tgctgcttgc ggccaaaccc ctcgctgtag ttgcctttgc tcttaaacag    1380
ctgctggaag tgggggttgc agtagaactc cccgtgcagc gcggcgtagc tgcccaggct    1440
gagcttgggt tgacagtgtc tgcagcagaa gcaagagttg tggaaaatga gcttgtcggc    1500
caccagccgc tccatggggg acacggtctt ctggcaggcg gcgcaggctc ccttcacctg    1560
ggcccgcagg ctgaaggact tggagcgtct caccgtgctg ctgccgccgc ctttggcgctc    1620
atgagagggg gtggcctggg cggctcctgc agcctggaac atggctcgtt ggaggtggaa    1680
gcctcgggtg gagaagcggc acccgctggg ttcaggcccg gcctgggccg cggggcggga    1740
tcggtctccg ggggcgcacg ggtacgagga gggcgcgggc gcgagctgcc ggacgcgtgg    1800
gtcgacccga gg                                1812
```

<210> 4654

<211> 4602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(4603)

<223> similar to gi5689453 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4654

```
gcatctggaa atcttgacaa aaatgccaga ttttctgcca tctacaggca agacagcaat    60
aagctatcca atgatgacat gctcaagtta cttgcagact ttcggaacc tgagaagatg    120
gctaagctcc cagtgatatt aggcaatcta gacattacaa ttgataatgt ttctcagac    180
ttccctaatt atgttaattc atcatacatt cccacaaaac aatttgaaac ctgcagtaaa    240
actcccatca cgtttgaagt ggaggaattt gtgccctgca taccaaaaca cactcagcct    300
```

tacaccatct	acaccaatca	ccttttacgtt	tatcctaagt	acttgaaata	cgacagtcag	360
aagtcttttg	ccaaggctag	aaatattgcy	atttgcattg	aattcaaaga	ttcagatgag	420
gaagactctc	agccccctaa	gtgcatttat	ggcagacctg	gtgggccagt	tttcacaaga	480
agcgcctttg	ctgcagtttt	acaccatcac	caaaacccag	aattttatga	tgagattaaa	540
atagagttgc	ccactcagct	gcatgaaaag	caccacctgt	tgctcacatt	cttccatgtc	600
agctgtgaca	actcaagtaa	aggaagcacg	aagaagaggg	atgtcgttga	aacccaagtt	660
ggctactcct	ggcttcccc	cctgaaagac	ggaagggtgg	tgacaagcga	gcagcacatc	720
ccggtctcgg	cgaaccttcc	ttcgggctat	cttggtacc	aggagcttgg	gatgggcagg	780
cattatggtc	cggaaattaa	atgggtagat	ggaggcaagc	cactgctgaa	aatttccact	840
catctggttt	ctacagtgt	tactcaggat	cagcatttac	ataatttttt	ccagtactgt	900
cagaaaaccg	aatctggagc	ccaagcctta	ggaaacgaac	ttgtaaagta	ccttaagagt	960
ctgcatgcga	tggaaggcca	cgtgatgac	gccttcttgc	ccactatcct	aaaccagctg	1020
ttccgagtc	tcaccagagc	cacacaggaa	gaagtcgcgg	ttaacgtgac	tcgggtcatt	1080
attcatgtgg	ttgcccagtg	ccatgaggaa	ggattggaga	gccacttgag	gtcatatgtt	1140
aagtacgcgt	ataaggctga	gccatatgtt	gcctctgaat	acaagacagt	gcatgaagaa	1200
ctgaccaa	ccatgaccac	gatttctcaag	ccttctgccc	atttccctcac	cagcaacaaa	1260
ctactgaagt	actcatgggt	tttctttgat	gtactgatca	aatctatggc	tcagcatttg	1320
atagagaact	ccaaagttaa	gttgctgcga	aaccagagat	ttcctgcac	ctatcatcat	1380
gcagtggaaa	ccgttgtaaa	tatgctgatg	ccacacatca	ctcagaagtt	tcgagataat	1440
ccagaggcat	ctaagaacgc	gaatcatagc	cttgctgtct	tcacacagag	atgtttcacc	1500
ttcatggaca	ggggctttgt	cttcaagcag	atcaacaact	acattagctg	ttttgctcct	1560
ggagacccaa	agaccctctt	tgaatacaag	tttgaatttc	tccgtgtagt	gtgcaaccat	1620
gaacattata	ttccgttgaa	cttaccaatg	ccatttgga	aaggcaggat	tcaaagatac	1680
caagacctcc	agcttgacta	ctcattaaca	gatgagttct	gcagaaacca	cttcttggtg	1740
ggactgttac	tgagggaggt	ggggacagcc	ctccaggagt	tccgggaggt	ccgtctgatc	1800
gccatcagtg	tgctcaagaa	cctgctgata	aagcattctt	ttgatgacag	atatgcttca	1860
aggagccatc	aggcaaggat	agccaccctc	tacctgcctc	tgtttggtct	gctgattgaa	1920
aacgtccagc	ggatcaatgt	gagggatgtg	tcacccttcc	ctgtgaacgc	gggcatgact	1980
gtgaaggatg	aatccctggc	tctaccagct	gtgaatccgc	tggtgacgcc	gcagaaggga	2040
agcaccctgg	acaacagctc	gcacaaggac	ctgtgaggcg	ccatctccgg	cattgcttct	2100
ccatatacaa	cctcaactcc	aaacatcaac	agtgtgagaa	atgctgattc	gagaggatct	2160
ctcataagca	cagattcggg	taacagcctt	ccagaaagga	atagtgagaa	gagcaattcc	2220
ctggataagc	accaacaaag	tagcacattg	ggaaattccg	tggttcgctg	tgataaactt	2280
gaccagtctg	agattaagag	cctactgatg	tgtttcctct	acatcttaaa	gagcatgtct	2340
gatgatgctt	tgtttacata	ttggaacaag	gcttcaacat	ctgaacttat	ggattttttt	2400
acaatatctg	aagtctgcct	gcaccagttc	cagtacatgg	ggaagcgata	catagccaga	2460
acaggaatga	tgcatgccag	attgcagcag	ctgggcagcc	tggaataactc	tctcactttt	2520
aaccacagct	atggccactc	ggacgcagat	gttctgcacc	agtcattact	tgaagccaac	2580
attgctactg	aggtttgctt	gacagctctg	gacacgcttt	ctctattttac	attggcggtt	2640
aagaaccagc	tcctggccga	ccatggacat	aatcctctca	tgaaaaaagt	ttttgatgtc	2700
tacctgtgtt	ttcttcaaaa	acatcagttc	gaaacggctt	taaaaaatgt	cttactgcc	2760
ttaaggtcct	taattttata	gtttccctca	acattctatg	aaggagagagc	ggacatgtgt	2820
gcggctctgt	gttacgagat	tctcaagtgc	tgtaactcca	agctgagctc	catcaggacg	2880
gaggcctccc	agctgctcta	cttccctgatg	aggaacaact	ttgattacac	tggaagaag	2940
tcctttgtcc	ggacacattt	gcaagtcac	atatctgtca	gccagctgat	agcagacgtt	3000
gttggcattg	ggggaaccag	attccagcag	tcctgtcca	tcacacaa	ctgtgccaac	3060
agtgaaccgg	ttattaagca	caccagcttc	tcctctgatg	tgaaggactt	aaccaaagg	3120
atacgcacgg	tgctaattgg	caccgcccag	atgaaggagc	atgagaacga	cccagagatg	3180
ctggtggacc	tccagtacag	cctggccaaa	tcctatgcc	gcacgcccga	gctcaggaa	3240
acgtggctcg	acagcatggc	caggatccat	gtcaaaaatg	gcgatctctc	agaggcagca	3300
atgtgctatg	tccacgtaac	agccctagt	gcagaatatc	tcacacggaa	agaagcagtc	3360
cagtgggagc	cgccttctt	ccccacagc	catagcgctt	gcctgaggag	gagccgggga	3420
ggcgtgttta	gacaaggatg	caccgccttc	agggtcatta	cccaaaca	cgacgaggag	3480
gcctccatga	tggaagacgt	ggggatgcag	gatgtccatt	tcaacgagga	tgtgctgatg	3540
gagctccttg	agcagtgcgc	agatggactc	tggaaagccg	agcgctacga	gctcattgcc	3600
gacatctaca	aacttatcat	ccccatttat	gagaagcgga	gggattttga	gaggctggcc	3660
catctgtatg	acacgctgca	ccgggcctac	agcaaagtga	ccgaggtcat	gcactcgggc	3720

```

cgcaggcttc tggggaccta cttccgggta gccttcttcg ggcaggcagc gcaataccag 3780
tttacagaca gtgaaacaga tgtggaggga ttctttgaag atgaagatgg aaaggagtat 3840
atttacaagg aacccaaact cacaccgctg tcggaaatct ctcagagact ccttaaactg 3900
tactcggata aatttggttc tgaaaatgtc aaaatgatac aggattcttg caaggtcaac 3960
cctaaggatc tggattctaa gtatgcctac atccagggtga ctcacgtcat ccccttcttt 4020
gacgaaaaag agttgcaaga aaggaaaaaca gagtttgaga gatcccacaa catccgccgc 4080
ttcatgtttg agatgccatt tacgcagacc gggaagaggc agggcggggt ggaagagcag 4140
tgcaaacggc gcaccatcct gacagccata cactgcttcc cttatgtgaa gaagcgcatc 4200
cctgtcatgt accagcacca cactgacctg aaccccatcg aggtggccat tgacgagatg 4260
agtaagaagg tggcggagct ccggcagctg tgctcctcgg ccgaggtgga catgatcaaa 4320
ctgcagctca aactccaggg cagcgtgagt gttcaggtca atgctggccc actagcatat 4380
gcgcgagctt tcttagatga tacaacaca aagcgatatc ctgacaataa agtgaagctg 4440
cttaaggaag ttttcaggca atttgtggaa gcttgcggtc aagccttagc ggtaaacgaa 4500
cgtctgatta aagaagacca gctcgagtat caggaagaaa tgaaagccaa ctacagggaa 4560
atggcgaagg agctttctga aatcatgcat gagcagctgg ga 4602

```

```

<210> 4655
<211> 1643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1644)...(1576)
<223> similar to gi4884249 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4655
ttaccgcggg ccctcaccag atgaggaccc aaaacttggc ccgcccacct ccgcttaagc 60
caaaaaccgc cgctttcaaa tcgccaatca aattcttctt tggcttcgag tctctcagcc 120
ggccgcgctc tccgatgcc agccctcctg gaaccacctc gctgtgacg taggtggagc 180
gcgcactgcc tccgggtccg tctttctcaa ttgggaccgg aaaacgttgt cgctcatcct 240
atgacgcgaa agtaaccgag actatcagga tccggagacg gaaatgtccg aaggccgcag 300
tacttgaccc tgtattttgg gagtcgaacg gagtaagtta caagcggcct atagggtcgc 360
acagcttggg cgaagtctaa ttaactctcc gtcctttttc ttgcggggcca ctctatcatc 420
tatcgctcct cttaccccgcc cccccgctc tgcaacacca tcagttcctt ggccatagta 480
tctatgcgca cgcgcaaaaag tcttcggcag cacttgtagt tcccgttttc agacagtagg 540
ggcgcatagg ggcccgcggt ggggaggttt ggggcgcgcc cggcctatga cggcgctcctt 600
gcggaagtac gggtgccgag agaagcagta gtcaataaag agagtgccgt atttcgcaga 660
ttggagctga gctgtggctg ccagaagata gcgaacgaat ggaaactgaa agtggaaatc 720
aggaaaaggt aatggaagaa gaaagcactg aaaagaaaaa agaagttgaa aaaaagaaac 780
ggtcacgagt taaacagggt cttgcagata ttgctaagca agtggacttc tggtttgagg 840
atgcaaatct tcacaaggat agatttcttc gagaacagat agaaaaatct agagatggat 900
atgttgatat atcactactt gtgtctttta acaaaatgaa aaaattgact actgatggga 960
agttaattgc cagagcattg agaagttcag ctgttgtaga gcttgatttg gaaggcacca 1020
gaatccggag gaaaaaacct ctgggggaaa gaccaaagga tgaggatgaa cgcacagtgt 1080
atgtggagtt acttcccaaa aatgttaatc acagctggat tgaaagagta tttgggaaat 1140
gtggcaatgt tgtttatata agtataccac attataagtc tactggagat ccaaagggat 1200
ttgcgtttgt ggaatttgaa acaaaagaac aagcagcaaa agcaattgag tttcttaaca 1260
accaccaga agaagcacca agaaaacctg gcatatttcc taaaacagtg aaaaataagc 1320

```

094873E 04400

```
ccattccagc cttaagagtt gtggaagaga agaaaaagaa aaagaagaag aaaggccgaa 1380
tgaaaaagga agacaatatc caagccaaag aagaaaaacat ggacacaagc aacaccagca 1440
tcagtaaaat gaaaagatcc agaccacacat ctgagggctc tgacattgag tccactgaac 1500
cccaaaagca gtgctcaaag aaaaagaaaa aacgggacag agttgaagca tctagcttac 1560
ctgaagtcag aacagggaag aggaagagaa gcctgggccc cgtaactcag ctctctcttg 1620
tggtctttctt catggctttt ttt 1643
```

```
<210> 4656
<211> 1297
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1298)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (1242)...(461)
<223> similar to gil504032 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4656
tttttttttt ttgggggtcat atttttgttc actgaaagga ccaaccagtt tcatcaaaac 60
aaagcttttag agaaagagaa actgagtaat tcatcttgtc agttacagtt cacatatatg 120
cacacacata caaactggct cagcatcagt gaaacataac tattcaaata caaaagtata 180
aaaaacctct ttaaaaaacc aatagcagcc aaaacagaac atttgtaaac aaaaccacaa 240
ctatcagccc tgtgcttaaa cacagaatct gcattctttt gaaacattaa gtatatgcaa 300
taaagagaat atagaccatc tttttcctta atatacaata cccaatatct aaaacaatgt 360
caccaataat agacacaaat cgggtgttatc ataaggcatg ttgaacagtc tttttcacag 420
tactcagggg catcatgttg ctgcagaggc cacactttcc agaagttttc tcctcgctgt 480
gatcctcgca caccgggggc actcggagga ctggaagcac tgtttgtaga agcaagccct 540
gcacgctgaa catcttctac atgttgctgt ctgaaatggg aagatgacag tcgtattctg 600
gcaaaattca caaataaagc cttttccttg acacagctca cagccagcca catgtgcaag 660
ggaagctttc agaatgtcct tgagtaaggg tgccagcagc cttttcttga tcctgaccag 720
gtcctcaagg gagaacaggt ggagctcatc agtcaagtgt cccggcacct gctcgaaactc 780
ctttaatgca ctggttagcaa acctacaggt cttcaacagc ttcttgatat ggaagagctg 840
ctcctgaatt tccttcactc tgtccagctc cttggctttc gcatacaggc tttggccgat 900
gctcagcaaa ttgaaaatgg gctgggtgcca tatgctgtcg agcagctgtt tggagaaatt 960
gctgacgtag tacttcttga agtcccatc catcaggatt cgggcaggga tgcacgactc 1020
tgcatatgag tggcagcagt cacagaaata cttccctagg tattcgagc accggagccg 1080
cttcacaaac ttaggctcta ctggagttcc acagccggca cagaaaaaat tctgggctgc 1140
caccacaagg tcctcttga gtgggtggatg aatattaaat atgatttcaa atctaggagg 1200
agcccagctc tcagtccttc tgatcctaga cttaaattta atttcctgta ctacattcat 1260
actggattca aagtcttttc ggtnncccc aactga 1297
```


<211> 6774
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (323)...(3989)
 <223> similar to gil877215 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4658

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gaagcaaaaag	ccaaatcagt	tcccttcatt	atcagtatct	ctcatgctgt	acacaataaa	6660
tttgtttagac	tgagtacttg	gtttttgttt	aatagaacaa	ataatcagtg	tttcacttat	6720
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<210> 4659
 <211> 2384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2385)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2348)...(2184)
 <223> similar to gi3714340 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4659						
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gccacaatga	ataattacaa	tgtgcatagt	ggctaagctc	aacacctcga	tatagcttta	180
tgatttgcag	aaaattttta	ataatgattc	ctaaaacaat	caattgtaat	tttacctaaa	240
acttttacia	aaccaggcca	caatctcttt	ttttaatttt	gttttttttt	aaacacacag	300
ttttcacgct	gtagtaactt	ggaaatgtgc	aaccgtgtca	acagagacag	aaaagccaaa	360
gtaacacgaa	tctcactttc	atgcagctat	cagttaaata	ttacatactc	tggaatgatt	420
ttacacaaaa	aataatttcca	caattacttg	ctctcatagg	ggtggatcga	agtcttaaaa	480
cttgaaaaaac	aatcaaagaa	ggttaagtgt	tctcggttct	gacatctcca	tcagcgccac	540
acactgtggc	aacactgact	aattacacag	caacaaggag	ggaacgatga	tgccaagtta	600
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ataccacata	aattgtgaga	tatttttaaaa	gaaaagtaat	ttaagttttc	ctggctgtat	1020
tttatatatc	tatgtataaa	aaatcattat	tcaactatcg	atccattcct	attggtaatg	1080
cttcttaatc	cagacattcc	gcaaaaatata	gactttttac	aaatcacggc	atctttaata	1140


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cgaagggtttg gtgaaggggtt ttaagtaatt tctatttggtt agctgcaggc aaaagtattt 1020
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attctatttc tcctgctgag tactggggct tggtttccca gaggggatta ccccatacta 1140
gaggtccttc tataagcatt tctaattggag ggtcctgcct tgcggctctt ttggcttcaa 1200
tatccgcttg gtggttccct tctattttctc tttcctttcc cttctgatga cccagcagt 1260
gtaagactgc cacctcttta ggtttctgta cagccaataa taatctccta atggctttct 1320
gatgattgat aggtgttccc tcagaagtta ggaatgccct tcttgagatg gagtttctact 1380
cttggtgccc aggtgaggat gcaatggcgc catctcggct cactgcagtc tccaaactcct 1440
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<210> 4661
<211> 799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(218)
<223> similar to gil403532 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4661
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ttactgactg gaaggatggt tgatgggaag tttgttggtg ctacattcta cccgctgagt 180
gctacaaga ggggatatct gtatcaaacc ttgctttaat cagtaaccta aggactgttt 240
cctttttctc ctcttccatt tcttgggtta ttccacatat gaatgcagga ctacccccctt 300
accattttta gaaggtactt tatacattta tttaatccta ctaatgtgca gccattgccc 360
aagcagtgc tgcgttgcat acatttggca ctgagtagga caagacctct cagctataca 420
ttgaggggtt ttagagcatc catgtgggca accctttttt gtgcgggaga gcagggtgtg 480
ctcttcagta tgtagcctaa aaaaatctta attatttcat ggatcatgaa gcaaggatga 540
ataatatcat gtcttggtta atactaacia atttggtagg tttggtgaca tcatttacag 600
attatttctt tatgttgtcc agtgggttctt ccttattggt gatatccata agctggcact 660
ggatgctctc agtaattgta agtaattgtc aagcagcagt tacctactgt gttcttaaca 720
ctgagttgtg aattttttct taaagcagta ctgtagtact gaatattcct ttaaaggaac 780
tgcagtgagc ctatctaag 799

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<210> 4662
<211> 1159
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1160)

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<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (695)...(301)

<223> similar to gi3875860 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4662

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cagattacat	aaaaatggtt	ctataaaatt	atattttaat	tacaatttcc	tattgaagga	120
ctacaccttc	ctgacctttc	cccacagtga	ttcggcacat	aaaacagggtg	ctgaactgta	180
gcagttgttt	tactccatcc	tgtaggttag	agaaactcat	cagaagaaag	tttcaatcac	240
ttcactgtta	ttttctgcaa	ttcttattct	cttatagccg	ataatcttca	ggtggagtcc	300
acaatcttgg	gaaggcgtct	atttcttctt	gtgtgtactc	atctagacgt	ttaggtat	360
ttcgtgggtg	aggaagctcc	tctactaaat	tcttaagaat	atcttctgga	atatactcat	420
ctggaaaaag	atgcaacctt	tccatcattg	ttcttctgtg	aagggttttt	ggcagcatgc	480
cataaatagc	tagttttaca	attgccactg	gatccctcag	gtgaagctga	gcagctgtta	540
cttgtctaaa	tccacctggg	tagccagtat	gcgaagagta	tactttttgt	tcccat	600
ttccagaaaa	tgcaatgtgt	cttgtgttca	ttataacaac	atgatcccca	cagtcactca	660
gtgcatggta	cacagggtta	tgtaatccct	gaagtcttat	agatgccata	gcagcaagtt	720
tgccagggtg	ctgcattttc	ccatctaaga	gataccatat	tctagcaaaa	gtggccatt	780
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gcaggacagt	tcctagcccg	tcgagcactt	gtcggcttct	ccctcttctt	cgagtcttct	960
ccagtcttct	ccacggcagc	aatttcgtca	tgaaaggagc	atataatgca	gttatttagg	1020
gaataactcc	caaaaatata	tcgcttggtg	gaaaaactgc	ggaaaaccga	cggaggacat	1080
aatttccagc	cgacctaaac	gaagggaaga	attccnccgc	nctggcgtaa	tgggtctacta	1140
ttttctaann	naggccctc					1159

<210> 4663

<211> 663

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (12)...(462)

<223> similar to gi5689463 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4663

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agcggtttga	gcatgtaggc	aaacagaggc	gaaagattaa	tacctttatc	tcctttccct	180
tggagctgga	catgactccg	tttttggcct	ctactaaaga	gagcagaatg	aaagaaggcc	240
agccaccaac	agattgtgtg	cccaatgaga	ataagtattc	cttgtttgca	gtgattaatc	300

accatggaac	tttggaaagt	ggccactata	ccagcttcat	ccggcaacaa	aaggaccagt	360
ggttcagctg	tgatgatgcc	atcatcacca	aggctaccat	tgaggactta	ctctacagtg	420
aaggggtattt	actgttctat	cacaaacagg	gtctagagaa	agactagtct	taccagacca	480
cttactgaaa	aaaaagtaaa	tgattaggca	aggattttga	agtgcacacac	agacctactt	540
ggaatggaca	atgacagtaa	cacctatgtg	acagctagta	tcttgatata	aagaacctat	600
tttagcatgg	cccatggggtc	tgctcggaaga	aaaaaatgaa	tactaaccag	tgaccattca	660
acc						663

<210> 4664
 <211> 1959
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (407)...(827)
 <223> similar to gi2842510 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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attagcttgc	cttgtagccta	ttgtatgctt	aacaaaatag	ccgatttatc	atgctttatt	180
aagcattaat	gagcatatat	ttttcatggt	tgcaattttt	agacaaattg	atgtactttt	240
tatcttgtac	gtggatataa	tgaatagaat	atacataaaa	ttcatacttt	acatatgtgt	300
gtatatatat	atatatatct	agggctggaa	gaaagaaaga	attctggctg	aataccctga	360
tggcaggata	ataatggttc	ttcctgaaga	cccaaagtat	gccctgaaaa	aggttgacga	420
gattagagag	atggttgaca	atgatttagg	ttttcaacag	gctccactaa	tgtgctattc	480
cagaactaaa	acacttctct	tcatttccaa	tgacaaaaaa	gtagttggct	gcctaattgc	540
ggaacatatc	caatggggct	acagagttat	agaagagaaa	cttccagtta	tcaggtcaga	600
agaagaaaaa	gtcagatttg	aaaggcaaaa	agcctgggtg	tgctcaacat	taccagagcc	660
tgcaatctgc	gggatcagtc	gaatatgggt	attcagcatg	atgcgtcgga	agaaaattgc	720
ttctcgcatg	attgaatgcc	taaggagtaa	ctttatatat	ggctcatatt	tgagcaaaga	780
agaaattgct	ttctcagatc	ccactcctga	tggaaagctg	tttgcaacac	agtactgtgg	840
cactggtcaa	tttctggtat	ataattttat	taatggacag	aatagcacgt	aaaacaaatt	900
cttgccatac	ccactagaag	acatctattg	aagagaatgg	attggttgct	gactttaacc	960
aggaactagg	gccattttta	ttacaatgaa	ctcaggactg	gcaacaacca	tatggttggt	1020
ccattttcat	aaaattggaa	acaatgcagt	aatagcttat	tgttttgttt	tttaaagaag	1080
atatttttatt	atctttttaca	gaaattttatg	attgatgtat	tttatctata	gttattttaga	1140
catgtttaca	tgcagcagat	aattgttcat	agtggactga	aaactaatgc	aaggactatg	1200
gtctcagtg	taagtatat	ttgaagttct	taatatggaa	atataaccagt	gtagcttggt	1260
actgtatttt	tttatattga	tctgctgata	ccagtgatag	gcttaaagat	tgtattttca	1320
cagagtggaa	accaattttt	ttagttattg	ttcaaggagg	gtgcaatatt	aagtgttttg	1380
gaatttgaag	ctaattttta	aaaggcctga	actatacttt	gaagaaaccc	ctatagaaaa	1440
ggaaagctcc	agctaaatag	gaagaattag	aatattgagc	ttttttttcc	tgatttttct	1500
ctttcctatc	tttgatggaa	ggaggaagta	gaaagtggta	aagaattgag	gcttttccttc	1560
ttggagagct	gtaaatgaca	agcattagga	aaggtaccct	cctagattca	ttattctttc	1620
attctgggtt	cactttttaa	ataaatggca	acttggcaca	cctaggctgt	taacaaatct	1680
caaagagggt	tataaaaacg	tatagaatac	ttggaagcaa	agtatggatg	actcggtatc	1740
tgctttgtta	ttcctcagaa	atactgcact	gagtatatgc	cctcattact	ggacttcatt	1800

ttgatacttg	tctatccttc	atagtgcct	ctacttttaa	agggtttata	tgttgaaaaa	1860
ctgctgtggc	cttttatgac	ctgtatataa	tgtagaataa	aaataataaa	atacttgata	1920
gctttttcta	agtgaaccaat	gtactaacta	aaaaaaaaa			1959

```

<210> 4665
<211> 1531
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (122)...(1266)
<223> similar to gi2280485 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

00770 5249450

<400> 4665						
ctggagcggg	cccgccggac	gctaccgcct	ttccagccgg	agccagcgcg	agctcggcac	60
gggggacacc	cgggtccgagg	ccggcaagcc	ggctggtgcc	cgagtcggcc	aagcatgggc	120
aaccactcag	gacggcccga	ggatccggaa	ccaggtggaa	aaggattatt	catacctgaa	180
ggagatatgt	gatcaccaag	ccgaacagct	gagcagaacc	agcctaaagc	tgcaagaaaa	240
agcatcagag	agtgatgcag	agatcaaaga	catgaaagaa	accataattt	aattggaaga	300
tcaggtggaa	cagcaccggg	ctgtcaagtt	acacaataat	caactcatca	gtgagctaga	360
aagtagtggt	atcaagctgg	aggaacagaa	gtcagacctg	gagaggcagc	tgaagactct	420
gaccaagcag	atgaaggagg	agaccgagga	atggaggcgg	ttccaggcgg	atctgcagac	480
cgcagtgggt	gtggccaatg	acatcaagtg	tgaggcccag	caggagctgc	gcaccgtgaa	540
gaggaaactg	ctggaggagg	aggagaagaa	tgcccggttg	cagaaggagc	tgggggatgt	600
gcagggccac	ggcagggtgg	tcaccagcag	agccgcccct	ccacctgtgg	atgaagagcc	660
agagtcctct	gaggtcgatg	ctgctggtcg	gtggcctggt	gtctgtgtta	gcagaacatc	720
tccaacaccc	ccagagtcgg	caaccaccgt	taagtcactt	atcaagtcac	ttgacttggg	780
acgccaggtg	ggagctggac	agaatatatt	tgtccataag	accccagaa	gtcccctaag	840
tgggatacca	gtgaggactg	ctccagcagc	tgctgtctct	ccaatgcaga	ggcattcgac	900
ttacagcagt	gtgcggccag	ccagcagagg	ggtgactcaa	cgcttggacc	ttcctgacct	960
tcccctctca	gatattctaa	agggaaggac	tgagaccctg	aagccagacc	cccacctccg	1020
caagagtcct	tcactagagt	cactgagcag	accccgctct	ctgggctttg	gggacacaag	1080
actgctgagt	gcttccaccc	gggcatggaa	accacaaagc	aaactcagtg	tggaaagaaa	1140
agaccctctg	gcggccttgg	cccgggaata	cgggtggtcc	aagcgcaatg	ctctactgaa	1200
atggtgccag	aagaagacac	aaggttatgc	gaacattgac	atcaccaatt	tcagcagcag	1260
ctggagcgat	ggcctggcct	tctgtgctct	gctccacacc	tacctgcctg	cccacatccc	1320
ctaccaggag	ctgaatagtc	aggagaaaaa	gaggaatctc	ttgttggcat	ttgaagcggc	1380
tgaaagtgtg	ggcatcaaac	ccagcctgga	actcagcgag	atgctgtaca	cagaccggcc	1440
cgactggcag	agtgtgatgc	agtacgtggc	ccaaatctac	aagtactttg	agacgtaacc	1500
ctggagggct	tggggcagcc	accattgccc	t			1531

```

<210> 4666
<211> 838
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(839)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (603)...(709)

<223> similar to gi4589616 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4666

ctaatacaag	ctctagtgt	ttattagcaa	acacttaaaa	aatatgtaaa	taccagtact	60
gtggaaaata	attagatgac	acataaactg	gattttaa	ccatctcatc	tgccatagatt	120
ttatgtaagt	gatataatga	agggtgcctta	aaatatttga	tactttcaaa	tgtttctcat	180
gttattttct	tattttctaa	aaaagatgta	ttcactaaat	tatatacact	catataataa	240
ttaaataata	aatacattct	tttattgtgt	acctttctat	ctagaaggta	gcacattatt	300
acagtgtttc	ctgctgggtca	aagttgccta	ttagagaaat	agaatggtaa	ttttaatata	360
ttcacaaaat	accttattga	tatcatcaaa	ccaatttata	cattgagttt	gtaccaacta	420
gtggaattgt	cttaggtcta	ttaagttatg	gaatattata	tccataatta	cagtctgagt	480
catagctgaa	aaaatctgct	ttaaaattat	tctcactctt	tgaacatttc	ataatcttac	540
atgttttcaa	gcaatttgcc	atactctact	aacctttgtg	cttctttttt	cctttgccat	600
gcttacagaa	aattcaattc	tacagggagt	ggattatgac	tcacagtagc	agtagtgatg	660
atgatgatga	tgatgatgat	gatgatgagt	cagatctaaa	ccattaaaat	tcatatgttc	720
tttattttac	ttggaatgtt	tcattaacat	gttttgatg	acttatacca	taatgccccat	780
atgtccattt	ataggggagg	taaaacacat	tttnccttaa	aatgttttcc	tacacatt	838

<210> 4667

<211> 1570

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (193)...(686)

<223> similar to gi3790173 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4667

aatagagaag	gtgccagaaa	gatccaaaac	aagtggctgc	ggccgctgcc	caggagtc	60
cggacgccag	aatctgtgtc	tccagaacgc	tatagctatg	gcacctccag	ctcttcaaag	120
aggacagagg	gtagctgccg	tcgccgtcgg	cagtcaagca	gttctgcaaa	ttctcagcag	180
ggtcagtggg	agacaggctc	ccccccaacc	aagcggcagc	ggcggagtcg	gggccggccc	240
agtggtggtg	ccaaacggcg	gcggagaggg	gccccagccg	cacccagca	gcagtcagag	300
cccgccagac	cttcctctga	aggcaaagtg	acctgtgaca	tccggctccg	ggttcgagca	360

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gagtactgcg agcatggggc agccttggag cagggcggtg catcccggcg gcccagggcg 420
ctggcgcggc agctggacgt gtttgggcag gccaccgcag tgctgcgctc aagggaacctg 480
ggctctgtgg tttgtgacat caagtctctca gagctctcct atctggacgc cttctggggc 540
gactacctga gtggcgccct gctgcaggcc ctgctgggcg tgttcctgac tgaggccctg 600
cgagaggctg tgggcccggga ggctgttcgc ctgctgggca gtgtggatga ggctgactat 660
gaggctggcc ggcgccgcct gttgctgatg gaggaggaag gggggcgggc cccgacagag 720
gcctcctgat ccaggactgg caggattgat cccacctcca agtctccggg ccaccttctc 780
ctgggaggac gaccatctct acccctagag gactgtcact ctagcatctt tgaggactgc 840
gacaggaccg ggacagcagg ccccttgaca gcccctccca caggatgtgg gctctgaggc 900
ctaaaccatt tccagctgag tttccttccc agactcctcc tacccccagg tgtgccccct 960
tagcctccgg aggcgggggc tgggcctgta tctcagaagg gaggggcaca gctacacact 1020
caccaaaggc cccctgcac attgtatctc tgatcttggg ctgtctgcac tgtcacaggt 1080
gcacacactc gctcatgctc aactggcccc tgctgagatc ttccctgggc ctctgccctg 1140
gcctgcttcc cagcacacac ttctttggcc taaggggcttc tctctcagga cctctaattt 1200
gaccacaacc aacctgggct tcagccacat cagtggggcac tggagctggg gtgcacatgg 1260
ggcctgctca ccttgcccac acatctccag ccagccaggg ccctgcccag cttcaattta 1320
cagacctgac tctcctcacc ttccccctg ctgtccagag ctgaacatag acttgcaactt 1380
ggatgtcacc tggagtgtca catgggagtg ttatggcagc atcataccaa ggcctactgt 1440
tgcacatggg gccaaaacca gtaaacagcc accttcttgg aaagggaatg caaaggcttt 1500
gggggtgatg gaaaagacct ttttacaat gataccaatt aaactgccct gggaaagggc 1560
attaggtggg 1570

```

```

<210> 4668
<211> 1264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1216)...(630)
<223> similar to gi4530425 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4668
tttttttttt ttggttgcca tttttctttt ttaatgatca ccatgaaatc cactggggcca 60
ggccctggtg ttctgctgcc atagtcagag tcagagtggg gggatgaccc caggagggga 120
caagaagcca agactgggct ggggagccga gaaggagata gataaggggg agagggtgca 180
gtggggcagg cagaggagga agtctggagc cctggataac aacacagata taagggtgaag 240
gcctccctct gccaccccag ccctgagcca cagacgttga ggtgcaagaa gatggggatt 300
ttggccacaa ctcttttccc atgtcaaagg gaagacactg agagcagaca aaggccaagt 360
gccagggggc acaagaacaa gtaacaagt aaaacaatta gggacaccac ctcttttccc 420
cagcccatth ttacatthta caactgaagc aatttgacaa gatgatataa aaatctcaaa 480
caaattttct agcccttggc cggggtgtgg acaggaagtg gtatcccgtg atccagaaat 540
caacacctaa aatccagagg caggaggcaa gccatgaagg gtggggaggg aaggaggagc 600
tcccacagtc actaggtcac ctgctccgtg ggctcatct ggatgtctcc aatctggatg 660
tgtgcggggg tgctgaggac gtagataaca gcctcgcca catcctcggg tttgagacac 720
ttcatttgct cataggtggc agctgccttc tcagggtcct tgtcgtggag tttgaaggcg 780
aattgtgtct ccaccacacc tggagagatg cacgtggctc ggatgtgggt ctgggcctcc 840
cgaagctctt gcctcagtc ctctgtcagc gcagtgcagg catacttggg ggcactatag 900
aagtgggtca cagacagggg taacactcgg tggccagaca tgctattgat gttaatgatg 960

```

tgcccatcgt	ccacattccg	ctccttcatg	gactggtagg	cttcccgtgt	gcagatgctg	1020
agggccagca	cgttcacatt	gaacatgtcc	ttccaaccac	tgggtgctgcc	tgagagcagg	1080
gtgtcaggcc	gggccaagcc	agcattgttg	atgcagatgt	ctacaccgct	gtgctgagaa	1140
cggatagctg	agaacatgga	gaggatgtcc	tcttcatttg	ataggtcaca	tctgtagggg	1200
atcaaagtcc	cggggtagcc	tgcactctta	cattcagcag	ccagctccta	tgaaacccaa	1260
cagc						1264

<210> 4669
 <211> 480
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (373)...(163)
 <223> similar to gi8063 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4669	
tttttttttt	ttttgattaa atgttcttta tttgatgctt ttgtgtgcac aacacttata 60
aggagtggcc	caattcacca agtcagcccg ttcacaccct tagttaaggt ggccattaag 120
ggggcagggg	gtggcaatca gtaagttgcc tcttgccctaa ctctctttct ccaaccattc 180
tctataggct	ccagcgtagt tgcgagcccc agtgtatcca agactccggg ccagctgcgt 240
ggcctggagg	ccccgcttgc ccatctgaca gaagaaaacg agatgctcat cttccagctt 300
tggtcttctca	gcagaatata aagcctggaa ggcagctggc tccatctgca gagcactctc 360
caactcggac	actccagcca tgggtgcgcgt agcaaccgcg agtctccgga gtgcggccgt 420
ggcccgccct	ctcggcgcat gcaacatctc ccgttccctc ccagagctga gaccacgaaa 480

<210> 4670
 <211> 1774
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1322)
 <223> similar to gi402649 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4670	
gctccaaata	ctgcagaatt aaggatttgt cgtgtaaaca agaattgtgg aagtgtcaga 60
ggaggagatg	aaatatttct actttgtgac aaagttcaga aagatgacat agaagttcgt 120
tttgtgttga	acgattggga agcaaaaggc atcttttcac aagctgatgt acaccgtcaa 180


```

gtagccattg ttttcaaaac tccaccatat tgcaaagcta tcacagaacc cgtaacagta 240
aaaatgcagt tgcggagacc ttctgaccag gaagttagtg aatctatgga ttttagatat 300
ctgccagatg aaaaagatac ttacggcaat aaagcaaaga aacaaaagac aactctgctt 360
ttccagaaac tgtgccagga tcacgtagaa acagggtttc gccatgttga ccaggatggt 420
cttgaactcc tgacatcagg tgatccaccc accttggcct cccaaagtgc tgggattaca 480
gttaattttc ctgagagacc aagacctggt ctctcgggt caattggaga aggaagatac 540
ttcaaaaaag aaccaaactt gttttctcat gatgcagttg tgagagaaat gcctacaggg 600
gtttcaagtc aagcagaatc ctactatccc tcacctgggc ccatctcaag tggattgtca 660
catcatgcct caatggcacc tctgccttct tcaagctggt catcagtggc ccacccacc 720
ccacgctcag gcaatacaaa cccactgagt agtttttcaa caaggacact tccttctaata 780
tcgcaaggta tcccaccatt cctgagaata cctgttgga atgatttaa tgcttctaata 840
gcttgcattht acaacaatgc cgatgacata gtcggaatgg aagcgtcatc catgccatca 900
gcagattttat atgggtatttc tgatcccaac atgctgtcta attgttctgt gaatatgatg 960
acaaccagca gtgacagcat gggagagact gataatccaa gacttctgag catgaatctt 1020
gaaaacccct catgtaattc agtggttagac ccaagagact tgagacagct ccatcagatg 1080
tcctcttcca gtatgtcagc aggcgcctaat tccaatacta ctgtttttgt ttcacaatca 1140
gatgcatttg agggatctga cttcagttgt gcagataaca gcatgataaa tgagtcggga 1200
ccatcaaaca gtactaatcc aaacagtcac gggtttgttc aagatagtca gtattcaggt 1260
attggcagta tgcaaaatga gcaattgagt gactcctttc catatgaatt ttttcaagta 1320
taacttgcaa gatttaaata cttttaaata ttgataccac ctatatagat gcagcatttt 1380
gtatttgtct aactggggat ataatactat atttatactg tatatataat actgactgag 1440
aatataatac tgtatttgag aatataaaaa acttttttca gggaagaagc atacaacttt 1500
ggacatagcg aatacaaaat tggaagctgt cataaaaaga caactcagag gccaggcgca 1560
ggggctcaca cctgtaatcc tagcactttg ggaggccaag gcgggtggat cacttgagac 1620
caggaattcg agaccagcct ggccaacatg gtgaaacccc gtctctacta aaaatacaaa 1680
aattagctga gcatggtggt acgtgcctgt actgtcagct acttggggagg ctgaggcaca 1740
ataattgttt gaaccaggga agcagagggt gcag 1774

```

```

<210> 4671
<211> 767
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(768)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (14)...(265)
<223> similar to gi667063 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4671
ggcacgaggt ctctgtccac ttggatatac aggcctaaag tgtgaaacag acatcgatga 60
gtgcagccca ctgccttgcc tcaacaatgg agtttgtaa gacctagttg ggggaattcat 120
ttgtgagtgcc ccatcaggtt acacaggtca gcgggtgtgaa gaaaatataa atgagtgtag 180
ctccagtcct tgtttaaata aaggaatctg tgttgatggt gtggctggct atcgttgcac 240
atgtgtgaaa ggattttgtag gtaagatggt tccagtcctc ctatgttgct ttaaaatctt 300

```

```

gtaaaccacc acaaattagt acattttctta acatatannn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnaa aggcacactt tcaagaagga actggagaca 540
aatcatgtaa tatgatattg caaacagatg tacaataata tggtttaaaa gtgtatgctt 600
aattttctaaa gagtaaatcc aagaaaagtgt ccagtgaagg aaaaaggcaa gatcaaagaa 660
acaggcaagt tttgaatgga atttactagc tttattttctt aacattatct caattagatg 720
tctattacca aacttaattt caacaaaaaag taagatttaa aaaagca 767

```

```

<210> 4672
<211> 769
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (19)...(239)
<223> similar to gi3043626 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4672
ggtttgagac cgtatccatg gatggaattc catccgataa tgggctgggg tgagaaagcc 60
attgagatcc gctctgtgga gacggggccac ctgcaggggg tcttcatgca caaacgagct 120
cagaggctca agttcctgtg tgagcgggaat gacaagggtgt tttttgcctc agtccgctct 180
gggggcagca gccaaagtta cttcatgact ctgaaccgta actgcatcat gaactggtga 240
cgggggccctg ggctggggct gtcccacact ggaccacagct ctccccctgc agccaggctt 300
ccggggccgc cctcttttcc cctccctggg cttttgcttt tactggtttg atttcaactg 360
agcctgctgg gaacgtgacc tctgacccct gatgctttcg tgatcacgtg accatcctct 420
tccccaacat gtcctcttcc caaaactgtg cctgtcccca gcttctgggg agggacacag 480
cttccccctc ccaggaattg agtgggccta gcccctcccc ctttttctcc atttgagagg 540
agagtgtctg gggcttgaac cccttaccct actgctgctg actgggcagg gccctggacc 600
cctttatttg cacgtcaggg gagccggctc cccccttgaa tgtaccagac cctggggggg 660
gtcactgggc cctagatttt tgggggggtca ccagccactc caggggcagg gaccatttct 720
tcattttctg aaagcacttt aatgattccc cttcccccaa actccaggg 769

```

```

<210> 4673
<211> 1999
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (24)...(172)
<223> similar to gi4240297 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

094873 0400

```

<400> 4673
cctagtcctgt gtggtggaat tccatgcaga atatattggc agttctcttg agtcagctga      60
tgaaaaccca agagccagca ggcagtctgg aggaaaacaa cagtgacaag aacagtgggc      120
cacaggggcc ccgaagaact cccacaatgc cacaggagga ggcagcagag aaaaggcccc      180
ctgagccccc cggacctcca ccgccgccac ctccaccccc tctggttgaa ggcgatcttt      240
ccagcgcccc ccaggagtgg aacccagccg tgacagccgc cttgctgcaa cttttatccc      300
agcctgaagc agagcctcct ggccacctgc cacatgagca ccaggccttg agaccaatgg      360
agtactccac ccgaccccggt ccaaacagga cttatggaaa cactgatggg cctgaaacag      420
ggttcagtg c cattgacact gatgaacgaa actctggtcc agccttgaca gaatccttgg      480
tccagaccct ggtgaagaac aggaccttct caggctctct gagccacctt ggggagtcca      540
gcagttacca gggcacaggg tcagtgcagt ttccagggga ccaggacctc cgttttgcca      600
gggtccccctt agcgttacac ccggtggtcg ggcaaccatt cctgaaggct gagggaagca      660
gcaattctgt ggtacatgca gagaccaaact tgcaaaacta tggggagctg gggccaggaa      720
ccactggggc cagcagctca ggagcaggcc ttactgggg gggcccaact cagtcttctg      780
cttatggaaa actctatcgg gggcctacaa gagtccacc aagaggggga agagggagag      840
gagttcctta ctaaccaga gacttcagtg tcctgaaaga ttcttttctt atccatcctt      900
ccatccagtt ctctgaatct ttaatgaaat catttgccag agcgaggtaa tcatctgcat      960
ttggctactg caaagctgtc cgttgtattc cttgctcact tgctactagc aggcgactta     1020
cgaaataatg atgttggcac cagttccccc tggatgggct atagccagaa catttacttc     1080
aactctacct tagtagatac aagtagagaa tatggagagg atcattacat tgaaaagtaa     1140
atgttttatt agttcattgc ctgcacttac tgatcggaag agagaaagaa cagtttcagt     1200
attgagatgg ctccaggagag gctctttgat ttttaaagtt ttgggggtggg ggggtgtgtg     1260
tggtttcttt cttttgaatt ttaatttagg tgttttgggt ttttttctt taaagagaat     1320
agtgttcaca aaatttgagc tgctcttttg cttttgctat aagggaaaca gagtggcctg     1380
gctgatttga ataaatgttt ctttcctctc caccatctca cattttgctt ttaagtgaac     1440
actttttccc cattgagcat cttgaacata ctttttttcc aaataaatta ctcatcctta     1500
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aacgtggcat tcttgggcaa gtaggtagac tttacccagt ctctttcctt ttttgctgat     1620
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tgtctcgctt gctcgctctc gctgtttctc tctctttgag gcatttgttt ggaaaaaatc     1740
gttgagatgc ccaagaacct gggataattc tttacttttt ttgaaataaa ggaaaggaaa     1800
ttcagactct tacattgttc tctgtaactc ttcaattcta aaatgttttg ttttttaaac     1860
catgttctga tggggaagtt gatttgtaag tgtggacagc ttggacattg ctgctgagct     1920
gtggtttagag atgatgcctc cattcctaga gggctaataa cagcatttag catattgttt     1980
acacatatat ttatatgtc                                     1999

```

<210> 4674

<211> 740

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (159)...(257)

<223> similar to gi2145041 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4674
ggaattcccc cctcaggtcc cagccttctc ccaagagatg ggagtgcctt tccattccgg      60
taaagattcc aggcttctca ggaacgggca cgcaaagaat aagatgggtt gatgggttgc      120
aagcatcctg gctcactctc accctatgct aaactcaggc gaccgtgctg tgtgacatca      180
tagtcctcta ctgcatgaag aaaagactct actatcggga gaagaaatat aaatatgtgg      240
aagattacga gcaggtaggc ccctcctggc cccagcagg cacaggcctc tcatctcttg      300
ggtgtgggag ccctgggcgt gggcctgtct ggggaggccc ttctgcagag gctggcacca      360
gtgtggcggt gtgtccccgt taaccggggc agtcctgcca ctctcagcag ctgctccatc      420
cctaggcccc tgtactagat tgactcttta aaccagcct cgtttcaatg agcgacatct      480
caggttgggt atgataatgc atgctctgag aatgcctgtg ggcacacact acttcagtgc      540
accttgcgga acaggaaggg ttgggttcca ggctgggac caacttgaga acccctggcg      600
gtgaagtccc aggagcgcac ctccctccc cctgccaca ggggtcccag gggcaccttg      660
atctgcttgt gtccttcttt gcagggtcct gctagtgcag tggaccagtg aggcctaccc      720
cacacctggg ctctccacag

```

```

<210> 4675
<211> 2815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(950)
<223> similar to gi531523 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4675
aagatggatc ctcacgcggt ggagatcagc cgggagagcc ttctgctgca ggacagcgac      60
tgcaaggcgt ctccggaggg ccgcgaggcc cacaacacag gcctggccgc cctcagaagc      120
acgagccgca acgaatacat ccactcaggc ctgtactcgt ccttcaccat taattccctg      180
cagaaccac cagacgcctt caaggccatc aagacggaga agctggagga gccgcccga      240
gacagcccc ccgtggaaga agtcaggact gtgatcaggt ttgtgaccaa taaaaccgac      300
aagcacgtca ccaggccggt ggtgtccctg ccttccacgt cagaggctgc ggcggcgctc      360
gccttccctg cctcgctcgt ctcggccaa agtctcctct taatgttgcc aaacgctgcc      420
agtatttcat ccgcctcacc cttctcatct cggaccccggt ccctgtcccc caactacccc      480
ctcccttctg aacacagaag cctcttccgt gaggcgcgct gccatgactc cgattccctg      540
gagcccttga acctgtcatc gggtcccaag accaagtctc catctcttcc cccaaaggcc      600
aaaaaaccca aaggcttggg aatctcagcg cccccgtgg tgcctccgg caccgacatc      660
ggctccatcg cctcaacag cccagccctc cctcgggat cctcaccac agccttcttc      720
accgcacaga caccaaagtg attgcttctg actccgagtc cactgctctc cagcatatcat      780
ttctggagca gccttagtcc agttgctcgg ctgagtcctg ccaggctgca agggccaagc      840
acgctgttcc agttccccac actgcttaat ggccacatgc cagtgccaat cccagctctg      900
gacagagctg cttctccagt actgctttct tcaaactctc agaaatcctg atgacgtctg      960
gccacaatta aggactcatt aactgatgaa acaaatttgt cccacgggc tagtttacct      1020
gtgtcgtgag aaggacattg tgaaactctt gttaatttgg ttgtcacttt tcataacatg      1080
gatagtctag atttatgtta gcatttttaa aactgttttt gatatatattc agtatatatg      1140
aaaatctgtt tggcattaag tgaattttaa tgtttttgtt tttatatcct tttagctctt      1200
aagtgttgaa cactgttgac agtgaagaac ttttcttaat ggttttcagt ataactaata      1260
aggatgtgaa gcttttttct ctttagttct gagtatgcta aactgtgtgc ttatatagac      1320
tataaccagt tgtgccttcc ttgcatttta atgtaaata atgatttata tatttttttag      1380

```

tattaagagg	aaatgtttga	aagatgaaaa	ttagtatcaa	acagctctct	agtagaattt	1440
cattatTTTT	caccagtggg	caatatgaaa	gcataatatca	cgTTTTgttt	tactttcaat	1500
tgtataagaa	ttgccttaga	acctcttttg	aactgaaatt	cagtaaatgt	ccaagtaatg	1560
TTTTtataat	aaactaagcc	atatttagac	aataaacatt	gataaaagaa	aatgttctaa	1620
agtacatttt	caaaaagaatg	gaccttgaaa	ggctagcctc	cttagctgtt	tacagtatct	1680
tatcttttag	atgcctccca	gacaaaaatc	tgagatggaa	aagctacatc	aagtttatgc	1740
tattccaggc	ccaagaatat	ctcctaggtt	agcatattct	tatttcaaaa	aattagccct	1800
ggttttctca	gttttccata	gggaatcccg	accatctgat	atatttactg	tgtcagtata	1860
agtaagttgg	ggttcccctg	gaactataat	taacatttaa	aaaatcta	gctttagaag	1920
aagctcacag	agtgggtgat	aacccaaaca	acaaagaaac	catttttaac	actaggtatc	1980
ttcatcagta	taggtaggtg	ttcacaat	ttgatggatc	aaaaacttgc	tgtaatacaa	2040
atagagagtg	gaggtactaa	aggccttgct	tgtggaaact	gagagaggat	acactgcttt	2100
atgtattact	aaagttaggg	gagaatgaag	gaaatctgac	agatgaaaaa	ttctacagga	2160
acctcatcat	cgtggaactg	aactgatgat	aacttggaac	actccagtaa	attctgttgt	2220
gtaatgtaat	ttggagcagt	gataatacag	acataattttc	tgttccatca	gaaaatcagc	2280
aggcaccagt	ccaaagggtac	cacacctgta	catgaagaag	gaaagttcta	atacaagaaa	2340
actgaaaagc	accaaagctt	taaattcaag	tattaattac	aatccttaac	tataagtgat	2400
gataaaaact	aacttgga	tgtggactaa	ataactgatc	ccaaactggg	cattaagtgg	2460
caggattatg	agaaaggata	aaaaaagaga	tttgagaaaa	cacatttcct	tgaattttca	2520
gaaaaaaatc	taggactatt	gctttgacac	ttaggaaatt	ctgaggtttt	tccaattggg	2580
gattgaggca	tctctgtatg	tggggatgtg	ggcccttatc	aagggataaa	aatccaacac	2640
tctaacatgc	ctccttgact	gtaaagtaat	gacactgggt	ccaaattcac	aataatagac	2700
actactgtcc	ccccccccca	ccccataggc	taagaataat	tctgtacaga	ataaaggagc	2760
tggtccaggg	actgatatta	ctgacatcca	agtttgtgtg	aagggccttg	agatg	2815

<210> 4676

<211> 1069

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)...(888)

<223> similar to gi5731761 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4676

tcagcaggac	tggaggcggc	cactggagga	ggatttcagg	cggtctccca	cggaggactt	60
caggcagctc	ccagaggagg	acttcaggca	accccctgag	gaggacttaa	ggtggctccc	120
agaggaagat	ttcaggcggc	cacctgagga	ggactggaga	cgccccccag	aggaggactt	180
taggcggcct	cttcaggggag	aatggaggcg	accaccgag	gatgacttca	ggcggccccc	240
agaggaggat	ttcaggcatt	cccctgagga	ggacttcagg	cagtcacccc	aggagcattt	300
ccggaggcca	cctcaggagc	atttcctgtc	gccaccccc	gagcatttcc	ggagaccacc	360
tccagagcat	tttaggcggc	ctccccaga	gcacttcctg	cggccacccc	cagagcactt	420
caggcggcca	cccccagagc	atttcaggcg	cccgcccccg	gagcacttcc	ggagaccgcc	480
ccaggagcat	ttcaggcggc	cggctcagga	gcatttcagg	cgctcccag	aggaagattt	540
caggcaccca	ccagatgaag	acttcagggg	ccctcctgat	gaagacttta	ggcaccctcc	600
tgatgaggac	ttcaggagcc	cccaggagga	agattttaga	tgcccttctg	atgaggactt	660
caggcagctc	ccagaggaag	accttaggga	agctccggag	gaggacccta	gacttcctga	720
caattttaga	cctcctggtg	aggattttag	gagcccgct	gatgatttta	gaagtcaccg	780

cccttttgtg	aatttttggc	gccagaag	tggcaagttt	gatttttggaa	agcataatat	840
gggaagtttt	cctgagggga	gattttatgcc	tgatccaaaa	ataaattgtg	gttcaggtaa	900
gaagtaaact	tcctattaag	ataatgaatc	ttgccatttt	aaagctaata	tgaatgaaat	960
tttagacttt	tttccatggt	tacagaatca	tacctgattc	agtttcgata	cagtataatg	1020
agcaaggctt	acctacaggg	gaagccattg	ttgctatgat	aaactataa		1069

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<210> 4677
<211> 1170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (254)...(653)
<223> similar to gi3169016 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4677						
caggtcagac	agaagacaac	atgaacgtct	aacctcatgc	accagcggac	actgtgtggt	60
acccaggcag	cttatttagg	attcggccgt	caggaaaagg	ctccctaacc	gctggtagac	120
cacgtggctg	gggtggcatg	gatggggctt	atggacctgg	gtctttcaga	agtgacccat	180
agctcactcc	tggaaggcgt	gagtcaagca	ggtggttctg	cgcactaacg	acgctcttcc	240
actgtttccc	tagggaagat	ccttgtcctt	caaaaccttc	ctcatctggg	ttttaataag	300
tatttaccaa	ggcggcatcc	tcatgtatgg	ggccctgggtg	ctcttcgagt	ctgagttcgt	360
ccacgtgggtg	gccatctcct	tcaccgcact	gatcctgacc	gagctgctga	tggtggcgct	420
gaccgtccgc	acgtggcact	ggctgatggt	ggtggccgag	ttcctcagct	taggctgcta	480
cgtgtcctca	ctcgtttttc	tcaatgaata	ttttgatggt	gcctttatca	ccaccgtgac	540
cttctgtgg	aaagtgtcgg	cgatcacctg	ggtcagctgc	ctcccgtgtg	atgtcctcaa	600
gtacctgagg	cgcaagctct	ctcctcccag	ctactgcaag	ctggcctcct	aaggggctgt	660
gcacccccag	cgggctggcc	ccagcacctt	ctgcccttcc	cagcaccttg	tgcccttgcc	720
agtgaacgca	gggtttgcca	ttgctaccaa	gcaagcacca	caagaaaggg	agggtaggcc	780
aggcgagccc	agggcacaga	tgctgagaca	gcctctcctt	ctcagtgcag	ggacgtcacc	840
cctgccaggc	aagcccaggg	cacagatgcc	aggatggctt	ctccctctca	gtgcgaggct	900
tcacccctgc	caggcaagcc	cagggcatag	atgctgagac	agcctctccc	tctcagtgc	960
gggacgtcac	ccctgccagg	caagcccagg	gcacagaggc	cgggacggcc	tctccctctc	1020
agtgtgaggc	ttcacccatg	ctaggcaagc	ccagggcaca	gatgccggga	tggccccctc	1080
ctctcagtgc	gggaacgtca	ccccttgcca	ggcaagccca	gggcacagat	gctgcgatgg	1140
gcctcttctc	cttaagtgtg	gggcctcacc				1170

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<210> 4678
<211> 3093
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```

<222> (4)...(1423)

<223> similar to gi4972746 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4678

ttctatgacc	tcctgcgcat	cacgttgggc	agaaggggac	agtacgttat	gctctcgggtg	60
tgcctggagc	gagccatgaa	ggttgcgttt	ggagaatttc	acctttggta	ccaggtggcc	120
ctctccatgg	tggcttgttg	gaagtcagcc	tacgtctgtg	ccctgctgcg	ggagtgtgtg	180
aagttgcggc	cctcggaccc	caccgtgccc	ctgatggccg	cgaaggctctg	catcgggtcc	240
cttcgctggc	tagaggaagc	agagcacttt	gccatgatgg	tgatcagcct	cggagaggaa	300
gccggggagt	tcctcccaaa	gggctacctg	gctctgggtc	tcacctatag	cctgcaggcc	360
accgacgcca	ccctgaagtc	caagcaagat	gaattgcacc	ggaaggcact	gcagacgctg	420
gagagggctc	agcagctggc	gccagtgac	ccccaggtca	tcctctatgt	ctcgctgcag	480
ctggccctcg	tccgacagat	ctccagtgcc	atggagcagc	tgaggaggcc	cctgaaggta	540
cgcaaggatg	atgccacgc	cctccacctg	ctggcactgc	tcttctctgc	ccagaagcac	600
caccagcatg	ccctggatgt	tgtcaacatg	gccatcaccc	agcaccctga	gaacttcaac	660
ctgatgttca	ccaaggtgaa	gctggagcag	gtgctgaaag	gccagagga	agccctcgtg	720
acctgcagac	aagtgtgag	gctgtggcag	accctgtaca	gcttctccca	gctgggaggc	780
ctagaaaagg	atggcagctt	cggtgagggc	ctcaccatga	agaagcagag	tggcatgcac	840
ctgactttgc	ctgatgcccc	tgatgcagac	tctggctccc	ggcgggcttc	gtccatcgcc	900
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atggagcagc	agcacctcaa	ggaagcaggt	ttctgcatcc	aggaggcggc	gggcctcttc	1080
cccacttctc	actcagtact	ctatatgcgg	ggccggctgg	ctgagggtga	gggcaacctg	1140
gaggaggcca	agcagctgta	caaggaggcg	ctcacgggtga	accagatgg	cgtgcgcata	1200
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caagtgggaa	gactatgaga	tttctgggtt	cccttctcag	acttgaggtt	agtagatgat	1920
tcttgcatgg	cccctgcttg	ccctctgaga	ccagctgggc	cccaccttgc	tctttcccc	1980
tgctaccaag	tgcttttggg	gcctctgggg	tctgaccagg	ggtactgagc	accggcccta	2040
acacttccat	ctccacccac	cccatctccc	tggcagatgt	ctccagccca	agcagcctcc	2100
gtaggcttta	gacctctgtg	ttgccagatc	cagtcctttc	taataccctg	agtcaacaca	2160
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ccctggatcc	tttgctctt	cttgggtgaa	ggatctctat	gtatgtgtgt	atataaatat	2820
agttttttat	ctatatatat	aaaatagaga	tctatTTTTT	ttctggaatt	ctgttagaaa	2880
agtaaagaaa	aagcaaagtc	tgttgggtta	tctcagggtg	cccaaagtgg	ttatagtcaa	2940

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cttggagggg	aagcaggcct	gtttgaaaaa	aaa			3093

<210> 4679
 <211> 2092
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (46)...(512)
 <223> similar to gi3877655 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4679						
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gctgggctga	ccccagagga	gctacgagct	ctggagggcc	atgagcggca	gcacctggag	180
gcccggctgc	agagcctgcg	taacatccac	acactgctgg	acgccgccat	gctgcagatc	240
aaccagtacc	tcaccgtgct	ggcctccttg	gggccccccc	ggcctgccac	ttcagtcaac	300
tcactgagg	agactgccac	tacagttgtt	gctgctgctt	cctccaccag	catccctagc	360
tcagaggcca	cgaccccaac	cccaggagcc	tccccaccag	cccctgaaat	ggaaaggcct	420
ccagctcctg	agtcagtggg	cacagaggag	atgcctgagg	atggagagcc	cgatgcagca	480
gagctccgcc	ggcgccgcct	gcagaagctg	gagtctcctg	ttgcccactg	acactgcccc	540
agcccagccc	cagcctctgc	tcttttgagc	agccctcgct	ggaacatgtc	ctgccacca	600
gtgccagctc	cctctctgtc	tgccaccagg	agtagtacct	ccagctctga	gaaagaggcg	660
gcatccccta	ggccaagtgg	aaagaggctg	gggttcccat	ttgactccag	tcccaggcag	720
ccatggggat	ctcggttcag	ttccagcctt	cctctccaac	tcttcagccc	tgtgttctgc	780
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cgaacagtat	tagctcccgt	tccaagtgt	ggactccaga	ggggctggag	gcaagctatg	960
aacttgctcg	ctggccccc	cctaagactg	gtacccattt	ccttttctta	ccctgatctc	1020
cccagaagcc	tcttggtgtg	gtggctgtgc	cccctatgcc	ctgtggcatt	tctgcgtctt	1080
actggcaacc	acacaactca	gggaaaggaa	tgctggggag	tgggggtgca	ggcgggcagc	1140
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2092

<210> 4680

<211> 1169

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(719)

<223> similar to gi3924667 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4680

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<210> 4681

<211> 548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(307)

<223> similar to gil786291 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 4681
ccaggcgagc cgcgacagcc aggtagaaac ctggattgcc agcctgaacc cgctcaccca    60
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cctgaatggt ttttatcagg ataacggtgg cgatgccgac ttgctgcgcc tgaatctgtc    180
gctcgattca cagctttatc cgcaaatttc cggacataag agccgttttg ccattcgttt    240
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ggtggtgtgg ggtgaaatca gcccgtttcg gccattttgc tccaaacgtt gtcagctgat    420
cgacctcgga gaatgggctg ctgaagaaaa acgaatcccc agcagtggcg atctttccga    480
aagcgatgac tggagcgaag aaccaaagca gtgacatttg tctgatgccg cacgtatgcc    540
ttgaaagg
548

```

```

<210> 4682
<211> 1167
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)...(922)
<223> similar to gi4586838 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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<400> 4682
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ctgcctggag gtggtggcgg ccaagtctcc agctgctcag atactgatgt cccctacctg    180
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tggggagctc cagctccagg gatccggctg ctcttcctgc tagggctctc ggtgggtgag    300
gcggggcctg acctagactc actagtggca tgggagagcc gtcgctacag tgacctgctg    360
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aaacatgcac tccccactct gaaacga
1167

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<210> 4683
 <211> 3024
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (82)...(1312)
 <223> similar to gi2257588 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4683
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 cagttccagc ggccgcagaa ccagcggcgc ttctccatgg aggacgtcag caagaggctc 180
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 ccagatctgc ccaagccgct cagccgcagtg tcccgccggg cctccctgtc agacattggc 300
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<220>
 <221> misc_feature
 <222> (3)...(5218)
 <223> similar to gi3449308 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4685

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gaagcactgt	gaggcctcca	gaggtatgtg	cagtgaaggga	cgatgggggtg	aagtgcagctg	5640
ggcattcaaa	gaagctagac	tgagaacgcc	tgagaagaac	cagctacggg	aagagctttg	5700
ggaagcaaa	gcagaggccc	tgggggtggg	gcaggcttgt	tttattggaa	ggaccagaaa	5760
actggtaagt	gtgaccaga	tcaagtgtga	ggagatgagg	ctggggatag	tcaggggctg	5820
gatcacccag	ggccttgttg	gccccacata	gggttttggg	ttttattctc	agggcaatgg	5880
gaagctgttg	gatggtttga	tgaaggggag	tgacaggatc	cgatgtacct	atttaagaat	5940
ttaagagggt	cgggtgcggg	ggctcatgcc	tataatccta	gcactttgag	aggccaaggt	6000
gggctgatca	caaggctcaag	agttcgtgac	cagcctggcc	aatatgggtga	aaccccatgt	6060
ctactaaaaa	tacaaaaatt	ggctgggcat	ggtggcacac	acttgtggtc	cgagctactc	6120
gggaggctga	ggcagaagaa	tcgcttgaac	ccaggaggcg	gaggttgag	tgagctcaga	6180
ttgcgtcact	gcactccaac	ctgggtgaca	gagcgagact	ccacctcaa		6229

<210> 4686
 <211> 1707
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1708)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (3)...(1605)
 <223> similar to gi4101720 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4686

aattgggccc	aggagtgaag	gccaagaagc	ccatccagac	taagttccga	atgccactct	60
tgaactgggt	ggcactgaaa	cccagccaga	tcaccggcac	tgtcttcaca	gagctcaatg	120
atgagaaggt	gctgcaggag	ctagacatga	gtgattttga	ggaacagttc	aagaccaagt	180
cccaaggccc	cagcctggac	ctcagcgctc	tcaagagtaa	ggcagcccag	aaggcccca	240
gcaaggcgac	actcattgag	gccaaccggg	ccaagaactt	ggccatcacc	ctgcggaagg	300
gcaacctggg	ggccgagcgc	atctgccaag	ccattgaggc	gtacgacctg	caggctctgg	360
gcctggactt	cctggagctg	ctgatgcgct	tcctgccac	agagtatgag	cgcagcctca	420
tcacccgctt	tgagcgggag	cagcggccaa	tggaggagct	gtcagaggag	gaccgcttca	480
tgtctatgctt	cagccgcctc	ccgcgcctgc	cggagcgcct	gaccacactc	accttcctgg	540
gcaacttccc	ggacacagcc	cagctgctca	tgccgcaact	gaatgccatc	attgcagcct	600
caatgtccat	caagtcctct	gacaaaactcc	gccagatcct	ggagattgtc	ctggcctttg	660
gcaactacat	gaacagtagc	aagcgtgggg	cagcctatgg	cttcgggctc	cagagcctgg	720
atgcgctggt	ggagatgaag	tcgactgatc	gcaagcagac	gctgctgcac	tacctggtga	780
aggtcattgc	tgagaagtac	ccgcaactca	caggcttcca	cagcgacctg	cacttcctgg	840
acaaggcggg	ctcagtgtcc	ctggacagtg	tcctggcgga	cgtgcgctcc	ctgcagcgag	900
gcctagagtt	gacacagaga	gagtttgtgc	ggcaggatga	ctgcatggtg	ctcaaggagt	960
tcctgagggc	caactcgccc	accatggaca	agctgctggc	agacagcaag	acggctcagg	1020
aggcctttga	gtctgtggtg	gagtacttcg	gagagaaccc	caagaccaca	tccccaggcc	1080
tgttctttctc	cctcttttagc	cgcttcatta	aggcctacaa	gaaagctgag	caggagggtg	1140
aacagtggaa	aaaagaagcc	gctgcccagg	aggcaggcgc	tgataccccg	ggcaaagggg	1200
agcccccagc	acccaagtca	ccgccaaggg	cccggcgggc	acagatggac	ctcatctctg	1260
agctgaaacg	gaggcagcag	aaggagccac	tcatttatga	gagcgaccgt	gatggggcca	1320
ttgaagacat	catcacaggt	aagggtcttg	ccaggccttg	gtcttatcct	cagtctgtcc	1380
ttctatgctt	tcttctgacc	caatgcgcta	tcctctgggg	gactggctgc	cacctgctt	1440
cttgctacct	tttctgtttt	tctttccttt	ttcctttctc	tactccccct	cacctgcccc	1500
acccccactc	agtgatcaag	acggtgccct	tcacggcccc	caccggcaag	cggacatccc	1560
ggctcctctg	tgaggccagc	ctgggagaag	agatgcccct	ctagccccct	aggtaaccag	1620
atgacctggc	ctctgatacc	acgctgcccc	cagccccctg	gacccttggtg	agaactgagg	1680
catgctgcct	tcntctgggc	cagtggc				1707

00483736.01400

<210> 4687
 <211> 1144
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(256)
 <223> similar to gil890664 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4687
 cgcacaggaa gatgtcattc tgttccagtg ttctgatcaa tagttttgct gaccagaggg 60
 gtcattatcc caccaagtgt gtggtggaga agatctgggt cttaggcttc aggaaggagc 120
 catcttctgt gactaccac tcatctgatg gtaaagatca gcctgtggct ttacgtatt 180
 gtgcaaaac atccatcctg agcctggaga agctctcact caacattgcc actgactggg 240
 aggtccgcat catatgacaa agaactgcc ctggtgatgt gagcaggagac ctgcctgccc 300
 ctttcaacct ttcccctcac cttttttgag atttttgctg caatctgttt gccttccctg 360
 aatcaaaata atctttcatt cgtcaccatt atactaatga acaatagatt tcatgtttca 420
 aaatttcaga ttttaccatgt taagatgtac taacaatatt ccttgatca aacatctcct 480
 tttctccctg atacatagcc ctgagacatt tatagcggtc aggagtcttc tattgcttcc 540
 attccttcag cagggctgcg tgggtctgtt ttaacgtggg ccaagcctac ctgggcagcc 600
 catttgcca gggtttgct cagggccatg cagcattggc gctctggctg cagcagctga 660
 gttgctcaag gccagtgtcc aagtggacag cagcctctgg tactcccccc agttatcttc 720
 caccacatg gactgggcag agcagccctc ttctgtgtgc acctgcatac gctgcagccg 780
 tgggagttat tctcccctag agatcgactt ggcccccatg aaggattctt ttctctttca 840
 tgcttctcag gctcaatagt ttctaattaa tcttaaaatc catgtctttt acattgtttt 900
 ttttaattaa gtgctgttta ctaaccaaata aatatattata acatgagtaa gctataatta 960
 ataacaatga aataaatacc catgtaccca ccactggact tcagaagtag aactcatgac 1020
 tgggactagg atgaggcaag ggagaccctg gccttgggca caaatgttaa gggatgcca 1080
 aaaaatacag taatcaaagt aagtaatatt tcaatccaat attttttaaa atcagaatta 1140
 atgc 1144

<210> 4688
 <211> 346
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(237)
 <223> similar to gi4062743 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4688

cagtctgatg	gcgtggaatg	ttgaagagag	agcacgattg	tggctggaag	catggcgttt	60
atcattgtca	ggatggcaca	tttctgttct	tgctgatccc	attgaatcgc	cgcgcccgga	120
actgttcccc	acgcaaacat	tgattgtctg	gacaggcatg	gcaccaacga	gaaggcaaaa	180
cgaactttta	caacactggg	gtgagcaagg	ttataaagtc	atctttcatg	ccccctaatt	240
tcacctttat	cccgcccctt	agacagaatg	ttataatctg	aaccacaaac	agcgtttgta	300
ccggagctgg	tccgttgcaa	aatgctcacc	gggagaattc	gatatc		346

<210> 4689
 <211> 2428
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2429)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (30)...(1336)
 <223> similar to gi204222 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4689						
gtcagcacag	ttctagggcg	gggatatcat	ctgtggccat	gccctgggca	cccctgggtc	60
actccggctc	ccaccagctc	tgtgtaactt	tctcctccct	ccactgtttg	accaggcgca	120
acatgcatca	gatgacggac	gggctggata	agccagggtca	gatccgctgg	ccactggcca	180
tcacgctggc	catcgccctg	atccttgtgt	atcttctgtat	ctggaagggg	gttggctgga	240
ctggaaaggt	ggtctacttt	tcagccacat	acccctacat	catgctgata	atcctgttct	300
tccgtggagt	gacactgccc	ggggccaagg	agggcatcct	cttctacatc	acacccaact	360
tccgcaagct	gtctgactcc	gagggtgtgg	tggatgcggc	aaccagatc	ttcttctcat	420
acgggctggg	cctgggggtc	ctgatcgctc	tgggagcta	caactctttc	cacaacaatg	480
tctacagggg	ctccatcatc	gtctgctgca	tcaattcgtg	caccagcatg	ttcgaggat	540
tcgtcatctt	ctccatcgtg	ggcttcatgg	cccatgtcac	caagagggtc	attgctgatg	600
tggcggcctc	aggccccggg	ctggcggttc	tggcataccc	agaggcggtg	accagctgc	660
ctatctcccc	actctgggcc	atcctcttct	tctccatgct	gttgatgctg	ggcattgaca	720
gccagttctg	cactgtggag	ggcttcatca	cagccctggg	ggatgagtac	cccaggctcc	780
tccgcaaccg	cagagagctc	ttcattgctg	ctgtctgcat	catctcctac	ctgatcggtc	840
tctctaacad	cactcagggg	ggtatttatg	tcttcaaact	ctttgactac	tactctgcca	900
gtggcatgag	cctgctgttc	ctcgtgttct	ttgaatgtgt	ctctatttcc	tggttttacg	960
gtgtcaaccg	attctatgac	aatatccaag	agatggttgg	atccaggccc	tgcactctgg	1020
ggaaactctg	ctggtctttc	ttcacaccaa	tcatgtggc	gggcgtgttc	atcttcagtg	1080
ctgtgcagat	gacgccactc	accatgggaa	actatgtttt	ccccaaagtg	ggccagggtg	1140
tgggctgggt	gatggctctg	tcttccatgg	tcctcatccc	cgggtacatg	gcctacatgt	1200
tcctcacctt	aaagggtctc	ctgaagcagc	gcatccaagt	catggtccag	cccagcgaag	1260
acatcgttcg	cccagagaat	ggtcctgagc	agccccaggc	gggcagctcc	accagcaagg	1320
aggcctacat	ctagggtggg	ggccactcac	cgacccgaca	ctctaccccc	ccgacctggc	1380
tgagtgcgac	caccacttga	tgtctgagga	taccttccat	ctcaacctac	ctcgagtggc	1440
gagtccagac	accatcacca	cgcaggacag	gggaggtggg	aggacagtta	gacccctggg	1500
tgggcccctg	cgtgggcaag	gatacccggg	ggcttctggc	acctggcggg	ctggtgacct	1560

ttttaatcca	ggcccatca	gcatccacg	atcggccttg	gtaacgcgcg	cggtagatca	1620
tttttatccc	gccagggagt	gtgatgcag	aagaccacat	gcgctcctgg	cttttaaacc	1680
tgttcctgac	tgttctctta	ctgccgaaac	ccttgactgt	tatctcggac	tttgaggag	1740
ttcctttccc	tccgaacgct	gctccatgca	caggaaaagg	gcattttgtt	acaatggggg	1800
actttcccg	gaacgcttgc	tcttaagtac	cagaagccgg	cggagctctg	gctttcgtga	1860
ttttggtttt	ctccttccca	aggcagctgg	attgaaaaaa	caaaacaaaa	caaaaaaacc	1920
caggggcgtc	agtcgatatt	ctcagggccg	cttctcctgc	agtctgtgga	gcgtccttgt	1980
ccccgccgc	ggaatgaatg	agcattctgc	agcccgatgt	ccctgtcccc	tctcgcgcgg	2040
gccattctga	ttggacctgg	cccagtgcaa	tctgtccaga	caagccctgc	ttgctggaaa	2100
actgccacaa	gcacaattga	tctcttttta	tcgccattcc	aggggcctca	ggtcctactg	2160
gggaaacttc	ctataccgga	gctccagttt	ctcttaagct	gcccatttcc	acagagtaca	2220
aaatagtttg	aggggaaatc	aaggtgaagg	atctgtccga	cagtcaagac	ggatccacag	2280
gaatcttttg	gtctccttaa	actaccaccc	tcgtgccac	ccaccccaag	gtgnttgccg	2340
cctcaccttc	cttgaaattt	ctcagcgga	gtctcaacac	aaccactaaa	acccacccag	2400
accgtgtatt	gcggccgctc	gaagaggt				2428

```
<210> 4690
<211> 885
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(886)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (749)...(86)
<223> similar to gi3327150 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4690						
tttttttttt	ttcaattcta	ctccaaaaat	cagcatgttt	aatggggccc	ctgtgcactg		60
ccctctgccc	cctctgaggt	tcgcacaccg	tgggcacgga	ctcgatacaa	gcacgtgaaa		120
cgggggtggc	cccagttgct	tagaatctgg	atcttcacct	tgggaaaggc	agctgggggg		180
tcattctgca	ggtggaaagt	ctgaatctcc	gattttctca	catcgaaggt	gaatttcccc		240
aaggaaactt	cagtttcatc	ataaacctgg	aggccctggt	gggtgaagaa	tgaaggagg		300
aaaaagaccg	cgaaatcgcg	gggggcgctg	ttggctcctc	cgggtgtgctc	cacgctgggc		360
ggtggaatgct	gcagagtgat	gtcgctcagc	tgcactcggc	ccggcagttg	gatcaccacc		420
tggccttggt	cgccttcaaa	agcccagcaa	ttcccaggga	acacgtgggg	ctccaggata		480
accgtgggcg	gccgtgcgta	gttccagaag	ctgaagcgat	tccagaagta	ggcagtgttc		540
ctgtctgcgt	aatcgtggga	tgtcttctgc	aggtcgatgg	aggctcccac	agagctcaaa		600
gcatagtcgg	gcttccgcac	aaaatcctca	ttcagcctct	ggaacacgag	cttggccact		660
ctctcgctgt	tggctgcccg	aacagtgga	acctccttgt	ggagtttatc	cagctcggcc		720
tggagctgct	gcagctgcgt	cccttgggag	cgcacgcgct	cgtgggtactc	acttagagtc		780
agcatctcct	taggttctctg	ttggatgaag	ggacaaaaca	cagagccgct	cagctcccgt		840
cgtccttgcg	nngtccngcn	cnaatggtac	gcaattcgat	tcccc			885

<210> 4691
 <211> 1370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1371)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1370)...(589)
 <223> similar to gil060896 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4691
 tttttttttt ttcaatgtca aatgcacttt actgggcccc tgggcctccc aacactgtcc 60
 tcaccaaggc tggggcaccc cattcccagc accaccagct gccaggaag caggacggat 120
 agagggaaca catgtggaat ggctgttctc ctaccccaga gggtgccgga tgatgttgac 180
 agcacggctg cttccctctc ccctgcagct tctgtcccca ccagcagct tggcctttcc 240
 catagcaggg aaggggggata cctggggcctt caaaccagcc acctgtcctt gcttaaaatg 300
 gggcaagggg ccatttgcaa aattcttcga ggggcagtgg tgaggtagaa ggggtggcag 360
 cctgctcctg tctgggagag ggctgggcag aactgggag ccgggcagac actgggagcc 420
 gggctggctc ttgcttcagg ccagagccc tgggcctgc tcgctgagga agctggtggt 480
 tggagcggcg aggttcaacc agctgaggct ggagggagta ctgggtggcc aggaggggta 540
 gccagtccaa ctcggctctc ctcagcacc ccagccatgg gtcaccagtc ccgctcagca 600
 gggttctcgt aggggaggcc taagagcctg aagacatcct tctcagtggg agtgggcagc 660
 actcgccag gccccacctt gcagccatgg gtgttccgga ccacagcagt gctgagggca 720
 tggttctgaca gactcatgcc cttggttttg gccagggctc gcatggagcg gttgaagtgt 780
 gcagagccgg tgaagtagag cagggcacag gcaaactcgc tatagggcac cacgatgatg 840
 tccaggcgcc ggtgccgccc ccctggccct gggagccggc acacccccaa gtacttctgt 900
 tgctgaccat tctcctcttg gctcaccaag tcatctgtga ggaacccttc ctgccgaaga 960
 ctgtcaagga ggcggctgaa gataccccgg tgggaccggc catctgggtg agtgatgagc 1020
 acgtcgacat caccacaggt cgcctttccc cgtcggtatg aaccacatgc cacacacagc 1080
 agcccagagt taaaggcctg ggctgctttc tggactgtct gctcaatctc tgtagcctcc 1140
 tccctgggca tacgttccag gaagtcaactg taatgcttca ggccgatggc ctgctggggt 1200
 gtcagggagg cctggctgcg gatgtcttcc agacttcgga agccctgttg gtaccacatc 1260
 tgggcagtct tgggtcccag tccccagatg ttggagaaga gctccaagac aggcacgctc 1320
 gnnttccncc ncnctgccag tgctctcatt ggtctcattn nggnaccgag 1370

<210> 4692
 <211> 1389
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (349)...(442)
 <223> similar to gi5689435 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4692

gcacccgtag	ccgtgacgat	ggtgacacac	gccggtgtcc	cttcctggag	atgaactcag	60
tgacttccca	caagaagcca	ctggctacgg	ctctcatcgt	tcttggttctt	tggatgaaga	120
tgctgagtca	ctgtccatgt	ggctgtgatt	ggtccccaga	ggctccccag	ccgcaggcca	180
gggaccagcc	atggtgcctc	tgctcgagag	taaagtgtac	agttttttgca	gccaccatag	240
atgcagcgag	atgcctcacg	ctgggtgggg	gtgggggccg	cggctccatg	gcggttacca	300
tttcatttgc	tgtgctttat	ctgctgtgcc	ttgtttctcc	ccggccctag	gcggaagggtg	360
ctctaccagc	gtgcacccag	gaatatccac	cgccatgtga	tcctctctga	gatcaaggaa	420
gccgtcgctg	ccctgcccc	ggtaaggagg	aaaggctgaa	atgggagctc	tgtgtaagcc	480
ggtcacatgc	acgtcccttc	tgtccggggc	ggtccacatg	caggcgtgcg	tgggtgcgggc	540
tccctcagca	gcccagcccc	gccacggcag	gggcagggtc	tagtgcagag	ggctcctcct	600
ttcctggcag	cccgggttcg	gatgcttggt	gttttgagag	agaaatcctt	tggggctcag	660
agcacaagct	gagtcgtcac	cgtggtgagc	tgctccatcc	gtggtcttgt	gagcgcgtgg	720
tgcggctgct	gggggattct	ctgtagtcgt	ggggtgtagt	cctgctctga	cgctcctgt	780
gctggaggggt	gccgtttctg	tctcaaaacc	taaggagttt	gtactgttgt	taagggataa	840
gatagaacga	gtgagaaaac	cagcaagtca	gagggtcgca	ggaccgtgga	ccgtccactg	900
gggacagctt	agtgcctcct	ggtttaactt	cagctgctct	gcggggccctt	atgaccggca	960
tggctggctt	tgtctggggc	tgtgagcttc	tgactctcct	cagtagagtg	gcagcacgtg	1020
gcactgtgca	acccgagggc	agctcagggt	ccctgtagcc	tgcatthtct	gaagtgggag	1080
cttctgacac	gtggtgaaga	tgttggcagg	cttgagcggc	acgtgacccc	cttccttccc	1140
caccacacac	tctggtgtgc	agggcagacg	ccgtgcaggt	tcatctcgac	tcccgtgagt	1200
gtcctgggtg	cagaaggact	gtcccaccct	cacccaaagc	tcgttggtac	aaaaagcaca	1260
gccgtttctg	tcagactctg	tggctatctc	tcagcagatg	catccagtcc	atgctggagt	1320
cgacagaag	actctgctg	gagaggtaga	ggccccctgg	cagcatctgt	agcatcttcg	1380
ttttatgtg						1389

<210> 4693
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1204)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1057)...(928)
 <223> similar to gi3219336 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4693
tttttttttt ttggttttctt ttcagtgttt tattttttcaa aatatacaat ttaagttttt 60
atttcacaac cgtagtttttg tatattttatt ccaaaatctt taaatagctc cgcagcaaac 120
agtacaaatc acaagggtccg tcaaaactgct tctcttttagc ctttacactt ggcgagtttt 180
ttaagttttca agtagtaatg gtttgtgggt aagaaaggaa ccaaaaacag gaggaacaa 240
catttttttac ataagctcaa catgtaggat tagaaagggc cgtctgacca gctccttggt 300
ctgggaccag actaagaaca tgtatctggt ttataaataa gaccgtcctg ggagcagtga 360
gggtttttggt tacgaggagg aaggggcagg aacctcatct gcggaggctg ggaggcaggg 420
ggaggtgagg cactgagagg tggctccttc tgggagcgcc cgagtagggg cctgagcggg 480
gtggaggcca agaatggcca gggacggggt ggggctgcca ctggtggaga agcctcctca 540
gcctcccttg gggagaaggg ctgtgattct ggaggcaggg gagggacggc aagaaaagct 600
gccaggtcct aaagcaagca gctgggactc ctgccagcca cctggggccc aacgacgcag 660
gcagctggca gggccagagg ggctgcccc aacctcagag caccaaagcc tccccagaag 720
gctgtctctt cttgcgagag ctctttgtcc acctcagag caccaaagcc tccccagaag 780
ggacagcagg gaggacaggg accacagatc ccacagaccc acttctgact gtgaaagcga 840
gctgtgccgt gcaggcagct cctaggcagc ccatgaggct aaggcacaag ggtgacacag 900
gtggccacga gggctcagtt ttcttcattt ccccttgccg ctgctacctg tggccacggc 960
ctgaagcagt cctgtgggct gagctctagg cagggacgct ccaggaagaa gtgggtcacc 1020
aagggccacc tggccacca gtggatgtga ccctcctacc aggggtcagg cgggcgggtc 1080
tgccctcagg cccctcagc aaattccact agaatgcagg gccggacaca gcccatcctg 1140
cctggccnng ccnnccttct tgnngnnnttc cncgccaagt ggggtgtctt caacggcact 1200
cct 1203

```

```

<210> 4694
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (661)...(371)
<223> similar to gi2621120 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4694
tttttttttt ttaactgaag agtttattat actttcaact tttctgcaga tgtaacattt 60
tttaaataaa aagttgagaa taaaaaaatc acaaaaatag ttttgctgaa gaaaatacca 120
cacattcctt ttactataa tatttaatat aataatatac acttatacat tggattatt 180
tacacttcat taaaaaaaac ccattcaacc tggaaattaa ctaccttaaa cacactattt 240
aactttcagg tgctaattgta tttaatttct ttaaataatta aatccaaaat gggctcaata 300
tcctaaatta ctgataacta gatgcagatg taaggatcat gaatcaatac ttccattaag 360
ttaaaaaatat caataatttt ttgcaacatt tcttctttgt ttttcttctt tgtctaggaa 420
taggctgttt taagctcaaa gtagcatctt gaaatccagg atttaagtct aagaccttct 480
tgaaatcttc caaagcatca tcaaaatata ccagcctata cagtatcaac cctctgttgt 540
aatatggaac ttcaaaattg ggttggaact ctatggcaga tgtgtagtca tccatggctt 600
cataaaaaatc aaccctgaag tacttgattt gccccctgtt gttatatgca gtagccaaat 660
cctcagggtc gcatttgctc ccgggactct cgtcgctgga ggccgcgcaa gcgcaccggc 720
gaatgtaagc ggagtacagt gcctcggcct ccgcgtactc tccattgttg aaatgagcct 780
gggcgagtggt tagggttgcg tggctttctt gccgctgtcc ttccatagca gccaaaggcct 840
agttttcggt gtagaatggg gggtgacctc cgagcggtta gaggtggcac cacaagacca 900

```

cttcacacc ctggaatcta ccttgacagc caacc

935

<210> 4695
<211> 1908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)...(434)
<223> similar to gil655625 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4695

cgccacgcgc	tgtctgatgg	gccactcggg	gatcgttgtg	cagggattgt	ccggcgagga	60
cgtgctggcc	cggccgcagc	gctttgctca	gctagagctc	tcccgcgccg	gcttggagca	120
ggagctggag	gccggagtg	gcgggcgctt	ccgctgcagc	tgctatggct	cggcgccccat	180
gcatggcttt	gccatctggt	tccaggtgac	cttccctgga	ggggagtcgg	agaaaaccct	240
ggtgctgtcc	acctcgctt	ttcaccgcgc	cactcactgg	aaacaggcgc	tcctctacct	300
gaacgagccg	gtgcaagtgg	agcaagacac	ggacgtttca	ggagagatca	cgctgctgcc	360
ctcccgggac	aacccccgtc	gcctgcgcgt	gctgctgcgc	tacaaagtgg	gagaccagga	420
ggagaagacc	aaagactttg	ccatggagga	ctgagcgttg	ccttttctcc	cagctacctc	480
ccaaagcagc	ctgacctgcg	tgggagaggc	gtagcgaggt	cggaggggaa	agggagatcc	540
cacgtgcaag	taggggggaat	atctccccct	ttccctcat	agcctctagg	gagggagagt	600
gacttcattc	tccatttgaa	gagattcttc	tgggtgatgt	tacttaaaaa	gtgatcccc	660
tcaacaacgg	atacagcgtg	cttattattg	ggcatttagc	ctcaaaagca	tgtagtacca	720
agcacttgta	tttccgtata	ttttgtttcg	cgggggagtg	agggggaaga	acacggatga	780
aaatgtcagt	ttttgaagg	tccatgcaca	tccctgacac	ctcacacctt	atctaagtct	840
gaagctgggg	agaaaggagt	tcathtagac	ttcatacatt	tccagtacga	ctttagtatc	900
tctccagagc	catattttct	cagtccgaat	taattcccc	tccctaggtg	cctgtaggct	960
atggtacttc	ttcctcattg	ttttctaggt	aaacttcact	actggttaatt	aaggggaagg	1020
atatgaggaa	gcagtttaaa	tagccctgtt	ctcattactc	tgaccacata	catcataggg	1080
tgctaaagt	gatgaacaca	ttaatccgtt	aagtaaaatg	gactttgtaa	ttgtacagca	1140
tacctaagaa	actcagaagg	tgcatTTaag	agagagacct	gaaagaaata	gtatggattt	1200
ttaaaaattc	ttgtctctac	tattataacc	aaaaaaatat	ttcttgatat	tcccataaaa	1260
atatttgtgt	aattcttatg	aaacaggctg	gtagaggagg	tttctgagcc	tagcccaagg	1320
gctttattca	tcaccatggg	taaattat	aaactcactt	aattaaggaa	aatattttcc	1380
cagctagaaa	aggtatactc	ccttctcttt	ttaaactctc	tcatttggag	ggatcatgtg	1440
agttggccta	cttacaagta	gtgaaagt	ccttttctcgt	tttgttttgt	tttgttttgt	1500
ttttctcttt	cactcagcca	aatgtgaaag	ttgtgaattt	aggaaaatca	cttgaatatga	1560
agtgtgaatc	ttgttatcaa	atttatttct	ctgatgtttc	cttccttatac	cttgtagcca	1620
ataaaacatt	gacattctca	cgttttatag	atgaggtaaa	aagtcttggtg	tgctgtgagt	1680
tataatgctt	ttgccttttt	aatattatta	gttcttaagt	gttacagccc	cttcagaata	1740
taacttcagg	acaattcaaa	ctatgcttaa	tgtatgattt	tcgagcttct	gtatgctaag	1800
aaaataggtg	tgaaaaactg	gtgttctgaa	atagcctaac	atttattgta	attctgaatt	1860
ttctgccctt	ttattcattg	catattaaag	tattagagta	taaaaact		1908

004383.0100

<210> 4696
 <211> 792
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (741)...(228)
 <223> similar to gi5304869 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4696
 tttttttttt ttgctctgag acatttttatt taaacttttt ttttttaaaa aaagacagca 60
 ataattaatg ccaagaacag aaaagaatgt tgacgtgttg cccggcccgcc caagcggggcc 120
 cctgcccagg cccccaagct ctgccaccac tggggtgccc tccccctccc cagcgggggca 180
 cagtcagctt tgaaggtgac agcggggcaa ggccaggact ctgggtggag gacttgtgtc 240
 ggtgaagcag gtgctgcagg aagttggcgc tctttagact ggggtcccc cagggcattg 300
 ccgagcagat ggggcacacc acgcggttg ggctcgtgct gtggctttcc acacagtgtc 360
 tcaccagctc ctgctgggtcc aggttgccgg caccacagta cgggcaggcg aaggtggacc 420
 tgttggggat gttgctgggg ataggctgtg atgtgggcac cacggggacg aacttggggc 480
 agttggccat ctgctcctgg accttcaggc aggacgaaat gtgcaacttc atctttgcca 540
 gggtcacctt tttgttgtag cctcgacagg gcgctttgta ggatgagagc tgcttctcca 600
 cgtgggtggc cttgtccacc ttcttggggc cgaagggcag gcggcagagt gggcacagcg 660
 gggatggcac ctgcaggcag ggctggagac actccccgca gaaccagggt ccccagcaga 720
 tatttccagg gtcacccctg gcaactgacc ctggatttga gccggggggg ccgcctactt 780
 caccggttca cg 792

<210> 4697
 <211> 2223
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2224)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2164)...(517)
 <223> similar to gi6013102 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4697
 ggtggtttac acagcacgca gaggaggctt tacagtatgt tgttggggag ctggtgctta 60
 ggtgttgtgc catctctgcc tagaatctgc ctaggagctg tgaggtagag gaagctttcc 120

ttggtagctg	tggagaggac	acgttttcttg	cgagtatggc	tggagaagcc	cccacctccg	180
gtcccaacac	aacggaacac	atggagtttt	gctgtggtgt	ctggaggatc	ctgtcttgag	240
cttgcccttg	cttaggctgg	actgtgtaag	acaagcactg	tgaagtgttc	caactttatt	300
taaaaccaga	cagccctgct	accatgcccc	cgctcctcag	cattgctcta	ggggaggagc	360
tggatgaact	atggcccttc	tgccaagccc	aggtgctagg	ggaggaaccc	cttgcttgag	420
atgtacagga	tggactcctc	acttcttctg	ggcttgtgcc	ctggcccgtt	gaatcttgtc	480
agctgtggcc	ccatctgtgg	ctcccgtgca	gtgggacaat	acgaggctca	gctcagcctc	540
attccggtgt	tcgatggcca	catctgcagc	ctgagccaca	tcgccaacaa	gaagcaaagc	600
cttgaccttc	tgctcgggac	ccacgcggga	agcatacttc	ttggcttcgt	atttgttatg	660
ttgtttcatg	cagatctcca	caaaaaggcag	gtagccaatg	ggtgatttct	tgctcttgga	720
aaacttctct	agctcttccc	aatcttccaa	atctgccagg	gcagtcagct	tcagccacca	780
gagcctcttg	tcagggatgc	ggaagtcacg	tgccagctgc	tctgcacgct	tgttgtgacc	840
gccaagaatg	aggggtgtaa	ctgtgtcatg	tagagacagg	tctaggaaact	ggccccccag	900
ctcgtcttct	aggcgcgcgt	gcagccgtag	gagccgcatt	tgatcctctg	tagccttggc	960
tgcaaaactca	ttcttggcct	tgtagaaggc	atcggcggct	gtctgcagag	ctgctaactg	1020
cccctcaata	cgctcttctg	cagcatagct	ggctcggatg	tggaagctgc	ccaattcctg	1080
gtgattgtca	tcctgattgt	aaaggtcctt	cagcgtctct	agctcctgat	gcttacagaa	1140
ctgtcggtag	aaactgaggg	ccatgggctg	attccgaagg	gtcatgaaaa	aatctcctcg	1200
gttcagctcg	ttcttcaggt	gcagcaaacac	cgtgaacacc	aggtcagtgt	ccccgctctc	1260
gatggccttg	cttagtgcca	gtttgtctct	cttcatcttt	aggagaaggg	gtacctgctc	1320
ccctgagcgt	ggctcatact	ccagcagctt	gatggccagc	tccgtgcggc	cacaaccata	1380
ggctcgtgca	gcaatgtcgg	agtaagagac	accaggcgtg	tccccagct	tctggttaat	1440
ggctcgagcc	acatcctcat	ctgagacatc	cttctgttgc	accttgtagc	aggcccagtg	1500
ggccaggatc	ctgctgacgc	cctgtacttc	aggaaaggcg	aagtactcgc	atatctggat	1560
ggccaggggg	taaagtctcc	gcaacacgag	cctgtccagc	agcacctgga	tggtgagctg	1620
cttatatttg	ctataggtga	gcgggatccc	gatgtgatag	tcccgaacag	cattgagcac	1680
acgcagggtcc	tgacacatgt	gcacgaagct	gtcgggtgga	aatctgtcca	ggaaacactt	1740
tccgaaggag	gcggccctga	gcagactctt	ctgcatgtct	ggctggtgct	catgtcctgc	1800
agcctcaatg	cactgctgca	cggcctgggt	cagctggccc	agctcctgga	tctcccgcag	1860
gtactcgctc	gccttctggc	tctctttctc	atactccttc	tgagcctcca	ggagcagcgc	1920
cccggggggcc	attgaggcaa	ttttgaagat	ttcctcgctg	gccgctggaa	cctcatgcag	1980
gaactcgtgg	gtgctgcggg	agaagatgcg	gaccccatcg	agctcaggca	ccaggtagga	2040
gtcctcatcc	agcaciaaact	ggatgctctc	gggtgcatcg	cccaccacca	tcagccgcct	2100
ttcccaggcc	accaccacgg	ccctctcctt	gctacgagga	cgaaaacacc	agaacatctg	2160
ctttggagggt	gcccggatgt	tgcagttgag	ctcncatagc	ttctaanatt	tccagaacac	2220
tac						2223

<210> 4698

<211> 1148

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1149)...(853)

<223> similar to gi2505957 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4698

aagctgaagg tccttgcaag accttatctc tcctgtcctt tatagcatcc cgccatccag 60


```

agcactgcc a ggaacctgca tggtagcgca atgactccca gcagtgcgca ggtgattggg 120
ccttgggacc agagtgaagg tgagataaag gggagcccag ggccagaccc ctgtcaccca 180
cattcctgtc cccttccctt tccagccagc ccagagacca cagcagcaca agaggtggcc 240
agcttaaaaa agtttaattg ctgaaaacat ccaaggcagg tgcggggccag tccctgcggg 300
gctcacaccc cccttattgg accatcagct ctgtgatgcc cccttctcct ggctacaaac 360
ctgggaagta gggcagctgg tcccaggggc ctgagactgg tgctgctcta gaaggcctgg 420
tggggggcca gcccccaagg cccttgacca gaactggaac agcaggcaag atggggcagc 480
gtggggtgac caaagatcct ggatgaggcc aatccaggct gggaccagcc caggtcagca 540
gtgagaccag gggagacagg gtgcccaggg cctgcccagg gacatgctgc tgaccccccg 600
ccaccctgca cccctggcca catgctagcg ggcagctgat gagcagcagc tgacccccaga 660
gacagcagag gtgaaaacag tccctgggaa ctgccagagg ccagagaggat gtggaagtgc 720
ccacgggaag gcaggagtgc aggggtgaca tgtgccgggg ccagagagggt atcttccagc 780
ttgaggatga gccgtgagg gtgcactagg aagtggcagc acagggtgagg tggagggtgac 840
gggggcgcag gctagtccca ctgcctcctcg tccacgcctt caaaggagtc ctgggggagt 900
gggtcctccc ggttccccag ttttgccacc atggcattca gcagctcctc ctctttttgc 960
tggtcagact tttcttccag gtactgcgct gaggatgggg cccgacgagc aggggcctct 1020
cggggggctt ggctcactgg gctcatgtca ggaggctgca ggctgagaag ccaggggctgc 1080
ccattagcgc cttgcagcca ggcctcggca ctgagcacag gctcccagat cacagccgtg 1140
tctgggaa 1148

```

```

<210> 4699
<211> 1872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(1056)
<223> similar to gi3878000 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4699
ggaattccta tcccaactgg ctcaagttcc acattggtat caaccggtag gagctgtact 60
ccagacacaa cccggccatc gaggccctgc tgcacgacct cagctcccag aggatcacca 120
gcgtggccat gaagtggggg ggcacgcagc tgaagctcat catgaccttc cagaattacg 180
ggcaagcgct gttcaaacc c atgaaacaaa cgaggagca ggagacaccc cctgactttt 240
tttattttct tgactacgag aggcacaatg cggagattgc tgccttccac ctggacagga 300
tccctggactt ccgccgggtc cctcccgtgg ccggcaggat ggtcaacatg accaaggaga 360
tccgggacgt cacacgggac aagaagctct ggaggacctt cttcatctct ccagccaaca 420
acatctgctt ctacggcgag tgttctact actgtccac ggagcacgcc ctgtgcggga 480
agccagacca gatcgagggc tgcgtggcgg ccttctgcc cgacctgtcc ctggccaaga 540
ggaagacctg gcggaaccct tggcggcggt cctaccacaa gcgcaagaag gccgagtggg 600
aggtggaccc tgactactgc gaggaggtga agcagacacc gccctacgac agcagccacc 660
gcatcctgga cgtcatggac atgacgatct tgcacttct catgggaaac atggaccgtc 720
accactacga gacttttgag aagtttggga atgaaacgtt catcatccac ttagacaatg 780
gaagaggggt tgggaagtat tgcacgacg agctctccat cctggtgccg ctacagcagt 840
gctgcaggat ccggaagtcc acctacctgc gtctgcagct cctggccaag gaggagtaca 900
agctgagcct gctgatggcc gactctctgc ggggggacca ggtggcacc gtgctgtacc 960
agccgcacct ggaggccctg gaccggcggc tccgcgtcgt tctaaaggcc gtccgggact 1020
gcgtggagag ggacgggctc cacagcgtgg tggatgacga cctggacact gagcacagag 1080

```

```

ccgcctcggc gaggtagtgt ccgccggccg ctgcgctgcc cgggacggag acagaggcgc 1140
cggacctccc agcaagcgca tgcgcccgtc gtgaattcag tgaattcaga ggcaggacgg 1200
gatcatccgg agtcgggagc tgctgccaca ggaggcgagg ctccccaggt ctcataggac 1260
acatthttgtc agtgthttgac cagaaaagct tgggaaggaa gcgctgtctg tgctcacgga 1320
cagaggcggc cggcgccgga ggcattccat cctttctgta gggaaaggag cctttattta 1380
ctatthttgta thttatthttg atgaataagt atataaacag agacgtgtac acagatgccca 1440
atcacctacc aaaccaaaaca cgaggaccgc cctccctggg tctggggggcc cctcaaggcc 1500
aagctcacc cccaagtgtc ctcacactcg ggacctaat caagtaaaaa ccctttctcc 1560
ttcctggggc ctccggtcct ggagggtctg aggtctcgt ctgaggacgg gaggaggctc 1620
tcgctggacg tctggcctgt gcgctggtgg acggatgcct acgtggtttt ggaggacccg 1680
atgaccaggc gtccctgcag tccgcccgct ggctgcagc acccacctcg gacttggtg 1740
tggacggttg gtgcaagtgc atccctgcagg gctggctgtg cgcagctgtg ggctgacctt 1800
tgcagagttt tgtggaatag tttgcaatgt cataaaagtg caataaaggc acagcagatg 1860
tgaaaaaaa aa 1872

```

```

<210> 4700
<211> 1456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (547)...(965)
<223> similar to gi5051483 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4700
cgctgaggat tatgtggaag aattacacaa atggcggtgt cctgattatt atgagaataa 60
tgtccacaag atgcagctcc cattttccag caagctcctg ggcagcactc tgacctctga 120
ggagaaacaa gaaaggcggc agcagcaatt gcggcggtcg caggagctca atgcccggcg 180
gcgggaggag aagctgcagc tggatcagga gcgtctggac cgactgctat atgtgcagga 240
acttctagag gatggccaga tggatcagtt tcacaaagct ctgatagagc tgaatatgga 300
ctccccagaa gagctgcagt cctacatcca gaagctcagt atagcagtgg agcaggctaa 360
gcagaaaatc ctccaagcgg aagtcaacct cgagggtggat gtggtagaca gcaagccaga 420
gacccctgac ctggagcagc tggagccgtc tttggaagat gtggaaagca tgaatgattt 480
tgatcccttg ttttcagagg aaacacctgg agtggagaag ccggtcacca ctgttcagcc 540
ctgtttaact tggcagcata tcatcagcta tttgttggga cagaaagaat tcgagctcca 600
gagattattt tccagccatc tctcatagga gaagaacagg ctgggattgc agagactctt 660
cagtaatttc tggacaggta cccaaaggac gttcaggaaa tgctggttca gaacgttttc 720
ctcactggcg gcaacacgat gtatcctggc atgaaagcca gaatggagaa ggaactgttg 780
gagatgagac ccttcgggtc tcttttcag gttcaacttg cctcgaacct tgtgctggat 840
gcctggtacg gtgctcgtga ctgggccttg aaccacctag atgataatga agtttgatc 900
accaggaaag agtatgaaga aaaggaggga gagtacctca aggagcactg tgcttccaac 960
atctatgtcc ccatccgcct gccgaagcag gcctcccgct cctcagatgc ccaggcatcc 1020
agcaagggct ccgctgctgg tggagggtgg gctggtgagc aggcatagca gaggccctcc 1080
agagagactg cctgcacgc catgccttgg gccacgttgg cagtgtgaca ggactgtgat 1140
tgtgctagat gtacctgcc aagtctgctg gtcacatttg gcagcaaaat ggatttctcc 1200
tggggagaa aaagttaagg gacactgaga cctgcccttc agaattcggg tcaacttggg 1260
gcttctgtgg tagagactaa ctggccttct gatgtctttg ttcaactgtg gccagctgtg 1320
gcatcagctt cctggagcag taaatgaaga cagagtggag gacacaaatg taaaaaatgc 1380

```

```
acaagactga tttcttacca catttttagtc tttcttggtt taaaaaaaaat tctttaaaaat 1440
taaaaaaaaa aaaaaa 1456
```

```
<210> 4701
<211> 1369
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1370)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (351)...(646)
<223> similar to gi5824626 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4701
catctgtaca actctctccg tttctccgtc tctctccctc cctccctccc tccaccccc 60
caatcttttt ctccccatct ctccatctct ctcttatctc ttcaggaaga gcctaaaagg 120
cggcaacacc aacacctctt gacatggaaa tacactgata caataggcaa aaggaaacac 180
tcagattgca tcttcccggt tccaggtggc cttatttggg agattctata ctgaccttat 240
tctgtgatg gatgatactg gcatccagcc gaggcactct ggatggagat gccaaaggctg 300
tccaacaatg tctgacagat atttttacca gcgtttacac cacctgcgac atccctgaga 360
atgctatatt tggctccctgt gtccctgagcc atacttccct atatgacagc atagctttca 420
tagctctcaa gtctactgac aagagaacag taccgtatat ctttcgggta gacacctcag 480
cagcaaatgg ttcttcagaa ggtctcatgt ggctgcgggt ggtccaatcg gccagagata 540
aggaagagca gaaccttgaa gcctacataa aaaacggaca gctgttctac cgctctctcc 600
gcaggattgc caaagacgag gagttactag tttggtacgg gaaagaactg actgagttac 660
tcttgctctg cccctctaga tcccacaaca aaatgaatgg taggttggct cgcgaccggc 720
gtgtggggccc ttaactagcg ggggagagac gcagggagcg gcaggggctc acccggcgcg 780
ttggcgcgcc tttcttccct tcgggtgtct cataggaaga ttctgagata tagtctggaa 840
tgaagttaaa cagataggtg aggataaagc gaggaaactt gcttggtttgc tgtattccct 900
ccaaatcagg agggaaagtt agatcagggt ggtcattctt ttctcaggca ctcaggccct 960
gagaaatgaa ggtggatttg tcaaggggat ggtggcaaac tggcttgggg gcgatgctga 1020
gtaatcatgt ggtgtgcgtg tgtgtgtgtg tgtgcgtgctg tgcgtgtgtg tgggtgtttgc 1080
tcactaagca gggctcgtcc cttacacatg cctggaatgc agccaacgtt tccagtttga 1140
gttccctat gtggcgcatc tgcgtttccg ctgccccaaag agacttcaca gcgctgatat 1200
aagtcccaa gacgaacaag gcggcgcggt gggcaccaag gaccacgggg gcggcgggcg 1260
cgggtggcaaa aaccagcagc agcagcaaca aggcaagcgg ccgacgaaat cgtcgacccg 1320
gngnttccgg nccaggggtc tcaacgacga ctttcaaaag gagcccacg 1369
```

```
<210> 4702
<211> 756
```

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(757)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (450)...(177)
 <223> similar to gi3970866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4702
 ggaattctgt ccttgagccc aaagtctcag gtgcttgag cgtggctaga aacagatctt 60
 ttggatccca cctctttcaa aaacaaaaag taccaactgg tgaggcagga agccagggtcc 120
 aggctgggac aggctccttt cctagggcag tgcgctacaa gagccggggg ggtcagttct 180
 gctgtaggat gaggttttcc agttcatctg cagagcgag caggaaggca gcagactccc 240
 ggtagcccg gatgagctgc cgcacggcgc tgatctccgt ggggctgagc tgagcgggtg 300
 gcacgggctt gctgggtgctg gtgctggaag ggggtgggctg gggggtggtg gaggtggtag 360
 aggccccgcc tttcatgctg aggtccgtgg gccctgtgga gagggaagta gggtgagaag 420
 ggagcagcca ccctgcctgg catctgggag gtgtaccttc cttggcactg tcataacctt 480
 tggcctagtg cccactgtga gttgggcact gaagtccgtg gctctggtcc atctccctga 540
 tggctctatc cctagtgtt agaatgggcc tgcgggcgac agggttctca gagaatcctc 600
 aggggtgatct tgcaaggatc cgggttttagg tgaggaagag gcggccttgg ggcaaaggaa 660
 ctcccaagat ctgcctctcc tcagtgtggt gagcagagct tgccaatggc aaatactact 720
 tccattgagg aactgtggga caagtgtctaa nagaaa 756

<210> 4703
 <211> 1344
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (950)...(335)
 <223> similar to gil632819 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4703
 tttttttttt ttggtttata ggagagattt atttgaagaa atattacaac atataaaaaac 60
 tacataaagt ctttaatttc actcatacag ttgtagattt gatataatgc ataataaaaa 120
 acttttaaaa tccagaatgc acaaagtact gcacaatttg atcactaaat cattagttga 180
 taagcgaacc tcacacaaca gcttcatgtc agccaaggcc acaaacacca tgtaccacac 240
 atgtgaacgg acagattgac atgttaaaaa cacaacatca gtgcatgttg gggattcctg 300
 gtgccagaaa caggggtgac gggagggcag aactagtcct tagcagcttc ctctccttt 360

atTTtagctg	aggcactctc	tCGggctttg	gccaacatac	aaagcttgat	ctccaagcca	420
atggcttttg	ccaggggCGg	tggcacggca	ttgcccacct	gccggtgctt	gtccaggatg	480
ttgccgaaga	gccggtaggt	gtcaggggag	ccctgggagc	gggcacactc	ccgcacgctc	540
accacacggt	gctgctctgg	gtggagcacg	cggccctgct	tgcccatggg	ctcgggggtt	600
gtgacggttg	tgctgaagaa	gccgtcccac	tCGagccttc	catagaggcc	agcccagtgg	660
ttgtgccggt	tcccgtgtg	gggcaggcac	caggggatga	gggtgttgaa	ctgcctggct	720
gcggggctgc	aggctttgcc	ggcttccacg	caggagcaga	ccccacggag	ggccccagag	780
ctgctgcggc	cgttcttcct	gtcatggtgg	gtataccgca	gcttcctggc	catggtgccg	840
tctgagagcc	gcacctcgat	gttgggcaga	tCGcgccagt	ctgaccctgg	ggccaagggg	900
atgtgccgca	tgcgggcagc	caccaatgca	ctcatgtcct	tacagagtgt	ggggggccca	960
gctgtcacct	catgtgagca	gcatccgagc	atccatggtg	ggctgggagc	tgggaacacc	1020
atggtgacca	ggaagcccc	tggggctcac	gcccacgagg	aaagagacag	tcagggatat	1080
cgcacttggc	tCGagcccac	ggcagggacc	tgaggcagcg	caggtgtagg	agagcgtggg	1140
aatctaagct	gagcctttag	ggTgggggaa	ggggagtggT	gccaggggat	ggtgaaaggg	1200
ctggtcttgg	catcctggga	aaacatgcgg	ggagaggcag	caagggggaa	ggcagtggTg	1260
ggtgggcagt	ggcttgacac	cattccagac	caagtccagg	actgcgggag	ctctgacact	1320
tcccatgacc	atgcaagaga	gacc				1344

```

<210> 4704
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(157)
<223> similar to gi3168866 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4704						
tattgacgac	cctagtccgt	gtggtggaat	tCGcagcccg	ctgctgcccc	cgaacttctg	60
cagctgccaa	cggagccagg	ccgcggccga	gcagccgccc	tggccgctgc	tgtggcctct	120
gcagccgctg	cacaggaggt	gggcccgcag	agagagggtc	ccccagtcag	ggcccgtctt	180
gctgaccatg	gggaggacgc	cctggcgctc	ccaccctaca	caatgctcga	gtttgccag	240
aagtatttcc	gagaccctca	gaggagaccc	caggatggcc	tcaggctgaa	atccaaggag	300
cctcgggagt	ccagaacctt	ggaggacatg	ctttgtctca	ccaagactcc	cctccaggaa	360
tccctcatcg	aactcagcga	cagcagcctc	agcaagatgg	ccaccgacat	gttcctagct	420
gtaatgaggt	tcatggggga	tgccccactg				450

```

<210> 4705
<211> 1420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```

<222> (1421)...(1090)
 <223> similar to gi4580997 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4705

tttttttttt	ttctgagatt	ttttaaacia	aaacatttta	tttcaaaggg	cagataagta	60
ttttgctaga	cacaactgaa	aaaaacagcc	agagaacaat	tggagtttgt	cttaataaat	120
aacaaaatgc	catttatgtc	tcttaaaactt	catatgacac	aatacacatc	ttaaataaat	180
aacccagtct	gttgctatgt	attaaaaaca	gtcccagggtg	tgggtgtgtgt	tgtggagcga	240
agccggttgc	tgggcttgga	cccgccaatc	ccagtgccgg	tggggagacc	gcttcccaa	300
cctctgctgt	gcccctgtgc	ctgagctgaa	cagcagcgcc	atggccccgg	agggcggcag	360
gaaggccagg	ggctgggatg	acggtgactt	cggggcgctc	tgtggctggc	aagcctgggt	420
gcctccaacc	ggaggtgctt	cctgcctcct	cacccttggc	ttctcgacaa	ttagttttta	480
ggtcagtccg	aaacatcatg	ggtgctggaa	aagcctctgg	ggcgatgtgg	tgggtctgag	540
ctccgtcttg	gtttccaacc	tggttgtcgg	ccttcttgat	gttgtgtggc	gctggctctc	600
tgtcttctctg	ctggccggca	ctgtctggtg	ggctctggtg	tcctgttttt	ccatgtggca	660
catacagggt	ctctgaagcc	acagccagcg	cagtactcgc	tcactttgat	gttctgtggc	720
tggaatgcct	gagagggctg	gggctacctg	tgcaccccc	ccaccctccc	ggccttgttg	780
tcacgcgtgc	atttggttgg	ctgcatgggc	acacgcctgt	gaggccaggg	ccggccgggt	840
cttcggttct	ctggcttggc	tcaggcagca	gttcctgcag	acttttctca	ctgctgttca	900
gcaatatgtc	tcctttaaaa	tagcaccagg	ggttctcagg	ttggcttctg	tgtcttttcc	960
aggtgcgtgt	gcaaaaggca	aaggggaggtc	actctttcca	tgcagggccc	tttgtctgaa	1020
ctgtccttga	aaggcagttg	tgaaggggtg	gcccagaccc	cctccacggg	actgggggtg	1080
ggtgtcactg	ttccttaaat	ggaacttggg	cccccgtagc	tgaccctggg	cagctcagct	1140
ccttgtgtat	gaggcggtatc	aggaacagta	aggcacaggc	atctgcaaac	atcagcatgt	1200
aaaacacatt	gctccagccg	gacggggaga	ggagcccagc	cagcaggggg	cccagggctg	1260
ctcctacaga	gcccgtcccc	tcaatgatgg	ccgtcacggg	ggagagggcg	tgcgcgttgc	1320
ctttcagact	tttatgagtc	cccagggtcgg	cggagacggc	ggtggtgatg	agtgtgtagg	1380
gcccaactgac	caggggctccg	ctgagcagca	gcatgtcgat			1420

<210> 4706
 <211> 1582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1583)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1230)...(671)
 <223> similar to gi3417296 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4706

tgaggagggtg	aacaggggaa	ttgcttggac	ccgggaggcg	gaggtttcaa	cgaaccaagg	60
ttggggccctt	gccgttcagg	gtgggcaacc	agagttaaac	cctattttcca	aaaaaaaaaa	120
agtattccaa	actccaaaat	caaaaacact	tccagtccca	agcattttcag	ataaggaata	180
ttcaacctgt	atgaatgttc	ctagggaaaa	aaagacagcc	aaaatataag	accatgtata	240
agaactaact	tcagtagaca	gaaagaaaaa	agtaccaggg	gaagaagaaa	gagaccgcat	300
tttaaaacaa	ctatacaaat	ttgagctgta	agaaacactg	acatttttcta	taagcatgct	360
agagcaaagt	ggagaaattc	ataagacggt	ttctagaaaa	taaaactaat	ataaaaaaac	420
ttatcaagat	ttgtccaagg	aaaaagacga	agaaaagtta	aatataatgg	caagaaaaac	480
ttcctaccaa	ttttatttat	ccaggcatgt	cttaaatatg	gctgtttgtt	acatacagtg	540
attctgcaga	catgttgaca	tgacagtga	atacataaat	atgtaatgag	aaaaggctta	600
actgtggata	aaacaaagtc	attacaatta	aagactcgag	tttttggcat	ttccaattgt	660
agtcaaggga	ctgaggtcaa	atttaactac	aaattttgca	ttgtctacat	tgaacacatg	720
attcttaaaa	gcctcatggt	ttatttcaga	acaggcctca	ggaagttgca	gactgtgcag	780
gaggttggtt	agggcacaag	tcattttctcc	caatattaac	ttataggcag	tctccaaaac	840
aggaatatct	ttcaagctga	gcattgcttg	ataaacagca	tgggctacag	caacaacctc	900
tttttcttta	tgataacgca	agaatagtag	tttagatgat	ggtataaaca	gtttttctac	960
aaatgatgat	ggcagtttctg	tatttatctg	ttcaacaatc	agcgtgagta	aattcaagac	1020
tgagatgata	taattggtac	cacaagtctg	gcaattctcc	agttggtcta	atccatatgt	1080
aatgaccatg	tcacaatgta	tagtcatgct	aggatccaag	ctgccgagca	aaacaccaac	1140
acactcatta	gcagctgtca	acacagcctc	agaaaaaac	acctggtttg	cagccgtcac	1200
acatctcatt	actctgtaca	gaacctgtgt	ctctgaagca	gcggtttccc	ctcgaacttg	1260
gccgacacca	ccaggactcg	gaagctacag	gagcaacggt	tgagggtcgt	gtcctccacc	1320
tcctaccgag	cggagaata	tgaatggtgc	cgaaccgcgc	ccccgagctc	ttttccctt	1380
gtccggcggc	tcaactcacc	acatgctccg	cctccagggtc	ccgctgcagc	ttctcgcgga	1440
ggtattcggc	gctgagttcc	atggcgcgag	tccagctaga	acggcagccc	agcagggaca	1500
caaccccagc	tcgggcgcgc	gcgaattccn	cgcntgtgct	aggataactt	aggntcctca	1560
gttgggggga	ctctgggact	cc				1582

<210> 4707

<211> 4118

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(3649)

<223> similar to gi3327160 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4707

gcagcagata	cctggcctgc	ttccagctca	tggagaatcc	ggcgacgctc	tccgaaagcc	60
tcgcctccag	aagcccatca	cggggcactt	ggatgactta	ttcttcaccc	tgtacccttc	120
cctggagaag	tttgaggaag	agctgctgga	gctccacgtc	caggaccact	tccaggaggg	180
atgtggccca	ctggacggtg	gtgccctgga	gacccctggag	cggcgctctc	gtgtgggcgt	240
gcacaatggt	ctgggcttctg	tgacagggcc	gcaggctcgtt	gtactggtgc	ctgagatgga	300
tgtggccttg	acgcgctcag	ctagcttcag	caggaaagtg	gtctcctctt	ccaagaccag	360
ctccgggagc	caagctctgg	ttttgagaag	ccgcctccgc	ctcccagaga	tggtcggcca	420
ccctgcattt	gcggctcatct	tccagctgga	gtacgtgttc	agcagccctg	caggagtgga	480
cggcaatgca	gcttcgggtca	cctctctgtc	caacctggca	tgcatgcaca	tggtcgctg	540
ggctgttttg	aaccccttgc	tggaagctga	ttctggaagg	gtgaccctgc	ctctgcaggg	600

tgggatccag	cccaaccct	cgcactgtct	ggtctacaag	gtaccctcag	ccagcatgag	660
ctctgaagag	gtgaagcagg	tggagtcggg	tacactccgg	ttccagttct	cgctgggctc	720
agaagaacac	ctggatgcac	ccacggagcc	tgtcagtggc	cccaaagtgg	agcggcgggc	780
ttccaggaaa	ccaccacagt	ccccttcgag	cccgccagcg	ccagtacctc	gagttctcgc	840
tgccccgcag	aactcacctg	tgggaccagg	gttgtcaatt	tcccagctgg	cggcctcccc	900
gcggtccccg	actcagcaact	gcttggccag	gcctacttca	cagctacccc	atggctctca	960
ggcctccccg	gcccaggcac	aggagttccc	ggttgaggcc	ggtatctccc	acctggaagc	1020
cgacctgagc	cagacctccc	tggtcctgga	aacatccatt	gccgaacagt	tacaggagct	1080
gccgttcacg	cctttgcatg	cccctattgt	tgtgggaacc	cagaccagga	gctctgcagg	1140
gcagccctcg	agagcctcca	tgggtgctct	gcagtcctcc	ggctttcccc	agattctgga	1200
tgccaataaa	cagccagccg	aggctgtcag	cgctacagaa	cctgtgacgt	ttaaccctca	1260
gaaggaagaa	tcagattgtc	tacaaagcaa	cgagatggtg	ctacagtttc	ttgccttttag	1320
cagatgggcc	caggagctcc	gaggaacatc	atggccaaag	actgtgtatt	tcaccttcca	1380
gttctaccgc	ttcccacccg	caacgacgcc	acgactgcag	ctgggtccagc	tggatgaggc	1440
cggccagccc	agctctggcg	ccctgaccca	catcctcggt	cctgtgagca	gagatggcac	1500
ctttgatgct	gggtctcctg	gcttccagct	gaggtacatg	gtggggccctg	ggttcctgaa	1560
gccaggtgag	cggcgctgct	ttgcccgcta	cctggccgtg	cagaccctgc	agattgacgt	1620
ctgggacgga	gactccctgc	tgtcatcgg	atctgctgcc	gtccagatga	agcatctcct	1680
ccgccaaggc	cgcccggtcg	tgcaggcctc	ccacgagctt	gaggtcgtgg	caactgaata	1740
cgagcaggac	aacatggtgg	tgagtggaga	catgctgggg	tttggcccg	tcaagcccat	1800
cggcgtccac	tcggtggtga	agggccggct	gcacctgact	ttggccaacg	tgggtcaccc	1860
gtgtgaacag	aaagtgagag	gttgtagcac	attgccaccg	tccagatctc	gggtcatctc	1920
aaacgatgga	gccagccgct	tctctggagg	cagcctcctc	acgactggaa	gctcaaggcg	1980
aaaacacgtg	gtgcaagcac	agaagctggc	ggacgtggac	agtgagctgg	ctgccatgct	2040
actgacccat	gcccggcgag	gcaagggggc	ccaggacgtc	agccgcgagt	cggatgccac	2100
ccgcaggcgt	aagctggagc	ggatgaggtc	tgtgcgcctg	caggaggccg	ggggagactt	2160
gggcccggct	gggacgagcg	tgttggcgca	gcagagcgtc	cgcacacagc	acttgccgga	2220
cctacaggtc	atcgccgct	accgggaacg	cacgaaggcc	gagagcatcg	ccagcctgct	2280
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gcagctggcc	atggtgcagg	cctctcctgg	gttgagcaac	gagaagggca	tggacgcgct	2640
gtcaccttgg	aagtccagcg	cagtgcctac	taaacacgcc	aaggctctgt	tccgagcgag	2700
tgggtggcaag	cccatcgccg	tgtctgcct	gactgtggag	ctgcagcccc	acgtggtgga	2760
ccaggtcttc	cgcttctatc	accgggagct	ctccttctcg	aagaaggcca	tccgcctgcc	2820
gccctggcac	acatttccag	gtgctccggt	gggaatgctt	ggtgaggacc	ccccagttca	2880
tgttcgctgc	agcgacccga	acgtcatctg	tgagacccag	aatgtggggc	ccggggaacc	2940
acgggacata	tttctgaagg	tggccagtg	tccaagcccg	gagatcaaag	acttctttgt	3000
catcattttac	tcggatcgct	ggctggcgac	accacacag	acgtggcagg	tctacctcca	3060
ctccctgcag	cgcgtggatg	tctcctgcgt	cgcaggccag	ctgacccgcc	tgtcccttgt	3120
ccttcggggg	acacagacag	tgaggaaagt	gagagctttc	acctctcatc	cccaggagct	3180
gaagacagac	cccaaagggtg	tcttcgtgct	gccgcctcgt	ggggtgcagg	acctgcatgt	3240
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caaggccttt	gagatcatgt	tggctgcggg	cgaagggaag	ggtgtcaaca	agaggatcac	3420
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ctgctgacac	ccagcaggcc	tgggttccgt	gagcgcgaa	tccgtggtgg	tgggtctggc	3900
tctggtgctg	cccatctacg	catgtgggac	cctcggtaat	cgctgttgct	caaaatgtat	3960
tttatgaatc	atcctaaatg	agaaaattat	gtttttctta	ctggattttg	tacaaacata	4020


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atcctattat ttgctatgca atatTTTTatg ctggtattat atctgttttt taaattgttg 4080
aacaaaatac taaactttta cacgtctaaa aaaaaaaa 4118

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```

<210> 4708
<211> 2071
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1950)...(1340)
<223> similar to gi3879465 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

0948373E 043400
<400> 4708
tttttttttt ttattcagaa ggaagtga aa tcctatatca aggtgcttag tgcattgtcaa 60
tacctagtga ggggtattaca gtcatactcc tgagtctctg gtcattgattg tcctttggcc 120
acttccaaac tggaagccac tggtattttc agcctttgaa cctgaagctt gggcaaggga 180
gagccccggg tctgtcagta tgggtggccac ccgctcctgt ctgtttcccc actcagtgcac 240
ctcataccag gtgggtggat gaggtgtgtg gccaccgttt gcctggtttg ggggtgtgtgc 300
cggtcgggtc cctgctggcc ggggctgctg tcttcagcaa actttaggga aaccggggcg 360
ctgagatttc agctcttacg cccagaaggg cctctaagaa tcaactagctc agtccttccc 420
cagccagacc tctagagggtc ctggcccttg tgccatgact ggccccacag tagtcatttt 480
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tctacagtta ctgcttccct tgtgagtcag gtcagccctg ggtactcccc accactctca 660
ccatgggtgag tgggagactc tcatctgcc aaccccttgc tgcccccaag tatttcgagg 720
aaggtggtga gaaaagtgtc agctgggtgag agagggtctg tgggccccct ctactggcta 780
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 <213> Homo sapiens

<220>
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 <222> (18)...(130)
 <223> similar to gi4186183 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 aatattaaag agactgggat gaggtggagg acgctgcctc tggttctgga gcacacacgt 180
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 gccttgtgaa gccgccctcg ccatctgcag agctccttga aagtggccct ggggagcgat 360
 gtgggcagaa ggatggggac aacttgaag ccagaagaag aacctggaag ccacagtggg 420
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<210> 4710
 <211> 1645
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (503)...(984)
 <223> similar to gi4741998 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 gggtcagcgg tccccagggt tctgtggcct cttccagact ggcttgga aaagtgtttt 180
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<210> 4711
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 <213> Homo sapiens

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 <221> misc_feature
 <222> (3)...(3935)
 <223> similar to gi2564326 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<210> 4712
 <211> 2115
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (2116)...(1111)
 <223> similar to gi5262462 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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cgtgccacac	accaaagggt	ctgctttata	gggtctttct	atatctggag	gtaatgctgt	1260
cattccttga	atcgaccact	cagcattgtc	tgtcttgga	catctcacat	tactggcag	1320
gctgaggacc	agcttggtga	aggagagacc	ttccttttta	gtccatttaa	acttattcat	1380
agcatccatg	aaagaaaagg	ttttatattg	cttgggactt	ttgataatga	aaggccagg	1440
cgtgactgg	ctgtagatct	ccttaacccc	aatgaactga	agttgttcca	taatgtctgg	1500
aatacttgca	catcgagtaa	gattaattct	tgggtaataa	agaaggtag	agagacacat	1560
ttactcctg	gtgcttagtc	ctccccaggt	catctcagct	ctatctttcg	tggtgtagcg	1620
acactcagta	attaggttat	ctcctggtaa	gattgtttgt	tcttccttta	gatactgaaa	1680
ctcctggaaa	ttgaagtcaa	aatcatcatc	ataggcaagt	aatttcattt	ccttcccttt	1740
tcgaaaatga	cgcagcctga	tgcctctgcc	agccagggtga	gcatggagaa	gaacagcaaa	1800
cacatgaatt	ccacttggct	tttcggcttc	cagagcctct	tccaggcact	ccaaagtga	1860
gtgacctca	gactggaact	caggcatccc	tggagggatg	gtatggaaga	ggctcaccca	1920
gaggccagcc	tcaatcacc	cagcatcata	tttccttata	tccattgtgt	aaaataacct	1980
cagtccagaa	ttatctatta	agccttcctc	ataagtggga	ttatcataat	ggacttctag	2040
gagcacataa	tgcggtatcta	atggagtgcc	aagggataat	ccaacatgag	gtggataaga	2100
aaagccctct	cccc					2115

<210> 4713
 <211> 1137
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)...(411)

<223> similar to gi4107015 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4713

gtggtggaat	tcccgccttg	aaaaaaggaa	agctctgctt	ttgttgccga	accaggaggt	60
tttccttctt	cacttggtct	tatacctgtc	agttctgtaa	gaggccggtg	tgctcacagt	120
gttgcaaaaa	gatgcggctg	ccctccaaac	catactccac	tcttcctatc	ttttcattgg	180
gaccttctgc	tctgcaaaga	ggggaaagta	gtatgaggtc	agaaaaaccc	tccactgccc	240
atcatcggcc	acttcggagc	attgccaggt	tctcctcaaa	atctaagtct	atggacaaat	300
cagatgaaga	actccagttt	cccaaagagt	tgatggagga	ctggagcacc	atggaggtgt	360
gtgtggactg	caagaagttc	atttcggaaa	tcatcagttc	aagccggcgc	agtctggtgt	420
tggccaacaa	aagggcccg	ttgaaaagga	aaacgcagtc	tttctacatg	tcctcgccag	480
gcccctcgga	gtactgccct	tcagagagga	cgatcagtga	gatctgagcc	tcgtgccttt	540
cagctgcttt	tgtgctacga	gtcagcgctc	gtgcgcgagg	acactgagcc	gggctggctc	600
tcctttctgt	ggttttat	aatgggcttg	aatttgcat	agatcagatt	tttgccgcat	660
cacattgttc	cacagactga	atgctgtgtt	cgtatcgatt	gatgaaacgt	gacaggtccg	720
ccaattgctc	gtttgcactg	agagaggaca	acagtttgaa	acttactttt	gtgtgtgtgt	780
ggctttggaa	gccagtagct	acttccttag	ttcagttctt	tactgttcct	cgaataatct	840
cctgactaag	gcaaaaaaaaa	aaagcttctc	ctacgagaat	cagtctaaca	gagatgccga	900
tgtcagcaca	gccctaagca	gtaagtcata	ttggcatttc	cacgtgactg	tgtttctatc	960
ccgtgtacag	agagatccag	agccctacac	tccacgacct	gggggctcac	agcacagaac	1020
ctagaagcac	ctgctgacac	tcttcaactg	atttttaaat	gttggttgctt	ggagataaaa	1080
attacataag	ggactttttg	cctgcattct	agtgcaaaac	atctgaagag	ctgtaca	1137

<210> 4714

<211> 3437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2686)

<223> similar to gi4240227 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4714

caaaaaggct	attacctgtg	gggaaaagga	aaagcaagat	ctcattaaga	gtcttgccat	60
gttgaaggac	ggcttccgca	ctgacagggg	gtctcactca	gacctgtggt	ccagcagcag	120
ctctctggag	agttcgagtt	tcccgctacc	gaaacagtac	ctggatgtga	gctcccagac	180
agacatctcg	ggaagcttcg	gcatcaacag	caacaatcag	ttggcagaga	aggtcagatt	240
gcgccttcga	tatgaagagg	ctaagagaag	gatcgccaac	ctgaagatcc	agctggccaa	300
gcttgacagt	gaggcctggc	ctgggggtgt	ggactcagag	agggaccggc	tgatccttat	360
caacgagaag	gaggagctgc	tgaaggagat	gcgcttcatc	agcccccgca	agtggacca	420
gggggaggtg	gagcagctgg	agatggcccc	gaagcggctg	gaaaaggacc	tgcaggcagc	480
ccgggacacc	cagagcaagg	cgctgacgga	gagggttaaag	ttaaacagta	agaggaaacca	540
gcttgtgagg	gaactggaag	aagccacccg	gcaggtggca	actctgcact	cccagctgaa	600
aagtctctca	agcagcatgc	agtcctgtgc	ctcaggcagc	agccccggat	ccctcacgtc	660

cagccggggc	tccctggttg	catccagcct	ggactcctcc	acttcagcca	gcttcactga	720
cctctactat	gacccctttg	agcagctgga	ctcagagctg	cagagcaagg	tggagttcct	780
gctcctggag	ggggccaccg	gcttccggcc	ctcgggctgc	atcaccacca	tccacgagga	840
tgaggtggcc	aagacccaga	aggcagaggg	aggtggccgc	ctgcaggctc	tgcgttccct	900
gtctggcacc	ccaaagtcca	tgacctccct	atccccacgt	tcctctctct	cctccccctc	960
cccaccctgt	tccccctca	tggctgaccc	cctcctggct	ggtgatgcct	tcctcaactc	1020
cttgaggttt	gaagacccgg	agctgagtgc	cactctttgt	gaactgagcc	ttggtaacag	1080
cgcccaggaa	agataaccgg	tggaggaacc	aggaacggag	ggcaagcagc	tgggccaagc	1140
tgtgaatacg	gcccaggggt	gtggcctgaa	agtggcctgt	gtctcagccg	ccgtatcgga	1200
cgagtcagtg	gctggagaca	gtggtgtgta	cgaggcttcc	gtgcagagac	tgggtgcttc	1260
agaagctgct	gcatttgaca	gtgacgaatc	ggaagcagtg	ggtgcgaccc	gaattcagat	1320
tgccctgaag	tatgatgaga	agaataagca	atttgcaata	ttaatcatcc	agctgagtaa	1380
cctttctgct	ctggttgacg	aacaagacca	gaaagtgaat	atccgcgtgg	ctgtccttcc	1440
ttgctctgaa	agcacaacct	gcctgttccg	gacccggcct	ctggacgcct	cagacactct	1500
agtgttcaat	gaggtgttct	gggtatccat	gtcctatcca	gcccttcacc	agaagacctt	1560
aagagtcgat	gtctgtacca	ccgacaggag	ccatctggaa	gagtgcctgg	gaggcgccca	1620
gatcagcctg	gcggaggtct	gccggtctgg	ggagaggtcg	actcgctggt	acaaccttct	1680
cagctacaaa	tacttgaaga	aacagagcag	ggagctcaag	ccagtgggag	tcatggcccc	1740
tgccctcagg	cctgccagca	cggacgctgt	gtctgctctg	ttggaacaga	cagcagtgga	1800
gctggagaag	aggcaggagg	gcaggagcag	cacacagaca	ctggaagaca	gctggaggta	1860
tgaggagacc	agtgagaatg	aggcagtagc	cgagggaagag	gaggaggagg	tggaggagga	1920
ggagggagaa	gaggatgttt	tcaccgagaa	agcctcacct	gatatggatg	ggtaccacgc	1980
attaaagggtg	gacaaagaga	ccaacacgga	gaccccggcc	ccatccccc	cagtgggtgcg	2040
acctaaggac	cggagagtgg	gcaccccgct	ccagggggcca	tttcttcgag	ggagcaccat	2100
catccgctct	aagaccttct	ccccaggacc	ccagagccag	tacgtgtgcc	ggctgaatcg	2160
gagtgatagt	gacagctcca	ctctgtccaa	aaagccacct	tttgttcgaa	actccctgga	2220
gcgacgcagc	gtccggatga	agcggccgct	cccaccccca	cagccttcct	cggccaagtc	2280
gctgcgctcc	gagcgtctga	tccgtacctc	gctggacctg	gagttagacc	tgcaaggcgc	2340
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gctggaacaa	gccaagagcc	acggggagaa	ggagctgcca	cagtggttgc	gtgaggacga	2460
gcgtttccgc	ctgctgctga	ggatgctgga	gaagcggatg	gaccgagcgg	agcacatggg	2520
tgagcttcag	acagacaaga	tgatgagggc	agctgccaa	gatgtgcaca	ggctccgagg	2580
ccagagctgt	aaggaaaccc	cagaagttca	gtctttcagg	gagaagatgg	catttttcac	2640
ccggcctcgg	atgaatatcc	cagctctctc	tcgagatgac	gtctaatacg	cagaaaagta	2700
tttcctttgt	tccactgacc	aggctgtgaa	cattgactgt	ggctaaagtt	atztatgtgg	2760
tgttatatga	aggtactgag	tcacaagtc	tctagtgtct	ttgttggttt	gaagatgaac	2820
cgacttttta	gtttgggtcc	tactgttggt	attaaaaaca	gaacaaaaac	aaaacacaca	2880
cacacacaaa	aacagaaaca	aaaaaaacca	gcattaaaat	aataagattg	tatagtttgt	2940
atatttagga	gtgtattttt	gggaaagaaa	atttaaata	actaaagcag	tattgagttg	3000
ctgctcttct	taaaatcggt	tagatttttt	ttggtttgta	cagctccacc	ttttagaggt	3060
cttactgcaa	taagaagtaa	tgcttggggg	acggtaatcc	taataggacg	tcccgacttt	3120
gtcacagtac	agctaatttt	tcctagttaa	catattttgt	acaatattaa	aaaaatgcac	3180
agaaaccatt	gggggggatt	cagaggtgca	tccacggatc	ttcttgagct	gtgacgtgtt	3240
tttatgtggc	tgcccaacgt	ggagcgggca	gtgtgatagg	ctgggtgggc	taagcagcct	3300
agtctatgtg	ggtgacaggc	cacgctgggt	tcagatgccc	agtgaagcca	ctaacaatgag	3360
tgaggggagg	gctgtgggga	actccattca	gttttatctc	catcaataaa	gtggcctttc	3420
aaaaagaaaa	aaaaaaa					3437

<210> 4715
 <211> 1373
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (42)...(701)
 <223> similar to gi3875400 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4715

accacattcg	aggactcgtc	cgcgcggtgc	aattcctgct	cacagctgcc	cagctgaaag	60
ccaaggggga	gctgagcttt	gaacaggacc	agctggtggc	tgggggcccag	ctgggcgagc	120
tgcacaacgg	gacacagtat	cgtgaggtcc	gccagttctg	ctcgggctct	ggccaccacc	180
ttgtgcgctt	ctacttcctc	actcgtgttt	actccgagta	ccttgaggat	gttctggaag	240
agctgacata	tggacctgcc	ccggacctgg	tgatcatcaa	ctcctgcctc	tgggatctct	300
ccagatatgg	tcgctgctca	atggagagct	accgggagaa	cctggagcgg	gtgtttgtgc	360
gcatggacca	agtattgcca	gactcctgcc	tgctggtgtg	gaacatggcg	atgccctctg	420
gggaacgtat	cactgggggt	ttcctcctgc	cagagctcca	gcccctggca	ggctccctgc	480
ggcgggatgt	ggttgaagg	aacttctaca	gtgctacgct	ggccggggac	cactgctttg	540
atgtcctaga	cctccacttt	cacttccggc	atgcagtaca	gcaccgtcat	cgggatgggtg	600
tccactggga	ccagcatgca	caccgccacc	tctcacacct	gcttctgacc	catgtggctg	660
acgcctgggg	cgtggagctg	cccaagcgtg	gctatcccc	tgaccctggg	attgaggact	720
gggcagagat	gaatcatcca	ttccaggga	gcatataggca	gacccagac	ttcggggagc	780
acctggcctt	gctcccaccc	ccaccttctt	ctttgcctcc	tcccatgcct	ttccctacc	840
cacttcctca	gccctcgcca	cctcccctct	tcccacccct	gccccaggat	accccttttt	900
tcccaggcca	gcccttccca	ccccatgaat	tcttcaacta	taatccagt	gaggacttct	960
cgatgccacc	ccacttagga	tgtggccctg	gagtgaactt	tgtgcctggc	cctctgccac	1020
ctccaatccc	tggcccta	ccccatggc	agcactggg	cccagtggc	caccggggga	1080
tgccacgcta	tgttcta	agcccctacc	atgtgcggag	aatggggggg	ccctgcaggc	1140
agcggctcag	acactcagag	agactgatcc	acacatacaa	actggacaga	cggcctcctg	1200
cccattcggg	gacatggcct	gggtagactg	gatcttgggc	tgggactgga	tgtgccaatg	1260
gcccttcagg	gcctgcctgg	cacctcaggt	actgggctag	ggtgtctgct	atgcctggta	1320
ttgttcttgt	ccattgctgt	caccaataaa	ggcatggaag	aacaaaaaaa	aaa	1373

<210> 4716
 <211> 1088
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1091)...(870)
 <223> similar to gi4689112 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4716

aaagtccttt	gataaaacca	cgagaggaga	tactgtatgg	agacatgagg	agatactgtg	60
tggagacgag	gagatactgt	atggagacat	accatgggcc	cttcaaggag	cacctctgta	120
tgggctggca	aatccctttc	actcatctag	aaagaagcag	acacttgtca	tcatgggaat	180
atattattgg	gtataagtgt	tttaggtaat	tgataactga	tttttctact	gtttttaagt	240

```

gattacttca aatgtgattt gaagcattgt ttggcctgaa gctttaagac cagtttctta 300
agcttttccc tgagtttcag cagcttacgg tttcagtga taagcagagc gcctggtttt 360
gaattgtctg ttgtttgttt gaaaatctga atgtgtcttt caaaggctgc tgtgatttct 420
ttggataaaa tcagatttcg tatcccttag agagcttcca ctctgcttc acctttccaa 480
aaactagacc taaggtagaa gccacctcga cagctcaaag ccagagttag aacaatcata 540
ctgaatagat acaatagttt atctggtgcg tatttgagaa aaggcatgac aatcaatacg 600
aggcagcgca gctcggagtc acaggcccga ctcggtttga ggctccgcgg accataatta 660
gctatcacat caaacagggt ctgtagcctc tctcggcttt tttcataaaa caggaacaat 720
aacagcccct ccctctgagg aggtgcgtgg aaagcagggt gacgtaggca agtgtgaaat 780
gccgtgcggg gttatctttt agtagaagag tatccttttt gtaaaatgtc ttccttctcc 840
cttccacctt ctttaacttca cttttggtct attaatgctc tgaaccatag aggtatctcg 900
gtggcccttc attaccatct gctgttcttt cagctgttta gctacatctt tggctgagga 960
accgacact tcaatccatg tcttagagaa gaatgcacat gacccaaca tgaagatgat 1020
ataaacaacg acatggacag gatcctcaaa gatggcgccc atggactcag gaggagaaag 1080
atagtaac 1088

```

```

<210> 4717
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (157)...(228)
<223> similar to gi3142637 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4717
cataaaggat ctataagaga agcaagaaaa acgcactccc actaattctc atatggaaaa 60
atcagggttt tgaagacttc aggagctaca gagatgctag caccacagct ctgcttgaat 120
tttaaattac attaatatgt attccctttt tatatagcta ctcccgagcc cggagaggac 180
ccacgcgtga cccgggccaa gtacttcatt cgagatgagt ttctggtgag tcgagcctgt 240
cttttagttt ctctcttgtt cctcctcttt ttctcatgga tgtaaattta ctttaattcca 300
aattcagggg ttcagctacc cagttccatg gtttttagttc acgcacatcc agtgtgggat 360
ttgagctctt tgcgcccctc tttttg 386

```

```

<210> 4718
<211> 1005
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1006)
<223> n = a,t,c or g

```

```
<220>
<221> misc_feature
<222> (922)...(745)
<223> similar to gi2587061 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 4718

```
<210> 4719
<211> 1729
<212> DNA
<213> Homo sapiens
```

<400> 4719

tgcatgagc	agtatgggca	catgccctgt	ggacagttac	tggacgttaa	tgaactcaga	1140
ggagaaaagc	agtgagccac	ttgttctgtg	tgatttatgg	tacttcattg	ctcttccttc	1200
acctctagtc	actttctatt	gctacctgcc	ctacattggc	tc		1242

<210> 4721

<211> 902

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (855)...(754)

<223> similar to gi758205 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4721

tttttcaaag	ggtctttttt	tttaataaag	tttttcaaga	agacattagt	gaaaatttaa	60
acatctatat	ggccaagaaa	agttaatttc	ttctacagca	tccataagaa	acactcagta	120
aatggcccat	tatacagctt	taatttcaat	atattttctt	caagttcagt	ttacatacag	180
acactatgaa	cacgattctt	tgaaatacca	ttatacagga	atgttgatt	atttaggttt	240
cttctctggt	acagctcacc	tcacactggg	gtgaaagaga	tttgaactga	gatttgcagc	300
catcaaatta	ctgtagtta	gattgatggg	tggcattgtc	acagaacctc	cgcaatgtgg	360
attttctttc	aagccattac	agttagtgt	gggattgata	gggtttgggtg	gttcaatggt	420
tacaagtttt	gtatctggag	acataggatg	aacattttca	tttgcacct	gttgaccaag	480
tccaccttca	tactctttct	tttttgggtc	tgagatatct	cctcttcctc	ctttgacttt	540
aataactctg	actttgatct	ccttgggctt	tttctctttt	tctatttcct	ttccaaaac	600
tgaactactt	agcagtgtat	tggataaaac	tgtttttctt	tcatctttcc	tgagttcatt	660
ttcttttagaa	ctctcttttg	gctttattaa	tgaattgact	tttgcttcct	gcagtaattt	720
agctttcagt	tctggcatga	atccactttc	aaaacaattt	tatggagtaa	atccaaatca	780
gaactactag	gaagataggg	atttccagtg	gccatctcaa	tgatcataca	gcccaaagcc	840
cagatatcca	caggtctggc	tgaaactcac	atccaggcga	ggcgctcacg	cctcgtgcc	900
cc						902

<210> 4722

<211> 1100

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (814)...(566)

<223> similar to gi2431772 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

gtcctgcca ggcattgaggc gtcctttgcc ctactcact tgagccttga tgaagggtgga 1020
gaactcctcc ggaggggacct cgccatcctt gttgaggtcc atgtcttcaa acaggttggc 1080
aggaggggtcc ttgtgccaca caaacaggta gcctgtgggc agcccatcct cccgggacac 1140
cagctccacc tcaaacagca gcacagcact gcctgggact cccggggtc cactctcccc 1200
gtggggccagg tgcgggggca cgatgagctg ccgctctct cccacacaca tgccctgcag 1260
gcccggtgcc aggccttcga tcacctgtt ggccccgaga gtcgcctcct ggggggcccc 1320
gtagtcattgc gaggtgaaca gctgggtgcc gtccagcaaa gaacagttgt aatggtatcg 1380
aacaagtcc ccaagcttgg tggctcatt gcaggtctca gatggccggg acagtgtcct 1440
gatttccacc acatccgcag ggttgtgga gtcaatgaca tggacgttga agattagcac 1500
ggcagagcca gggatcttgt ctccagttcc attctcccca taggcgaggt gcggggggat 1560
ggtaattctc cggcgttccc ccatgcaggc accctgcagc ccctggtcca tcccggggat 1620
gatgtaaccc tgcccgatag aggtattgta ggtgtggtt cgggagtagc tggaatcgaa 1680
gaggggtgccg tccatcaagg agccattgta gtgtagcgc atgaagtccc cgccccggc 1740
tctgcggaca cagccggggg ggagctccag cgtctctagc tggacagcgt ccttcgggtt 1800
gtgcacgtca atcaggagga cgtgaaagac cagcgaggcc tctgggggga tcaactgtcc 1860
atagcctttc tcaaaatagg ccaggaatgg agggatgata atcttccttc tctctccagg 1920
a
1921

```

```

<210> 4724
<211> 1256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1008)...(382)
<223> similar to gi3413870 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4724
tttttttttga aatgaaatga atcatttaat gagaatcttc aaactgtggc actggctgag 60
tactaagcaa atccagggga agacgtgaag cccaccaagg cgcacagcct caactccggt 120
gcctgcccct gatctgaaat acaacatcca agagctcgag gcctttttac caccggtttg 180
tgagacacct gcacctttct gacaacaact ctcaagccaa ctttcagaga gaaaacatga 240
agggaaaaaa tagatttcct ttggccagac agctctttct tcctcaataa ataggaacca 300
cacttggaac aaagagacag cgtgagctcg gtgggggaag cacaagcttt attggctgaa 360
agttcttctc aggagcctgg tctgctggga ctgcatgttc ctggatgggc tccccaggc 420
ctaagctcca ggtttcctct ggccctccga aggattttgt gggttacgac caattgatca 480
aagatgactt tttcctggcg ctgctcagc tgcaaaagct tcatggtgtt ttgcaacttc 540
tttcttgggt caaacaattt tttatgtagt ttggtgacct ctgccttcat ttctccaatc 600
tgctcacagt gaagggggca ctggccatcc tcggggagtg agactctcca gagaagcttc 660
agccgcctgt aggcctcttc cagggtcagc ttggcctgct tcacactgct cacaacttg 720
ctcagtgggt ctgggtgtgg accctttgtt cccagctctt gacttgtgga gctgggagcc 780
tcttgggttt gaatgtccat ttcagcaagg agcctctgtc cctggctgat ctgtttgagc 840
agggcctcat agtcctcaat caggcccagg acatggcggc cattcttgct ggccacagc 900
tggtggccag tgaccaggcg ggacacacac ggagtgttag ttgccgaact gccactgtcg 960
caggagaggg agtccgtgtc attcccagag agtgaggag tctctgaaac tgtaaaatga 1020
gaagtaggat gtaaaatctg tttcaggtaa cactctgcgt tcaagacgct tatgatgttg 1080
aagctagcta ggagggctag aagaggccct cgtgcccaca tgccacccaa cacaagccca 1140
gaggggaaaa gaggcacgct cctggacctc tgtatattac cccacactgg gcttatgagt 1200

```

catctttag gagaggctca agtcaactca accaactt atcaaccacc cactcg 1256

<210> 4725
 <211> 2255
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (307)...(1791)
 <223> similar to gi407099 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4725
 cagggactga tcagctgggt atttttctgc aggatatgca ctgataagca acatagcttg 60
 ggcattgtgga atttgtgcca gttccactct cccgtcacca tcacccctg gaaggaggta 120
 aggaaagtcc tcccagagta aatgacattg aatctgagac accaagaaca tgtaggctgt 180
 agctcagcaa gatgagagga ggtgtccaga tgaaaggagt agtatacaca aatgccaga 240
 ttcaggggaa acacaggccc acagatccca cacagcctca tttctaagaa aaatattttg 300
 ttctgaagga cgaaaatgac cttcaaagac cttgggatgg atgacttggg tatttactct 360
 tgcgatgtaa cagacactga tggaatagca tcaagctact taatagatga ggaagaattg 420
 aaacgtttac ttgctctcag ccatgaacac aagttcccaa ctgtcccagt taaatcagag 480
 ttggcagttg aaattttgga gaaaggccag gtccggtttt ggatgcaggc tgagaaactg 540
 tctggcaatg ccaaagtcaa ctacatatct aacgagaagg aaatttttga aggcccgaaa 600
 tataaaatgc atattgaccg aaacactggc atcatcgaaa tgttcattgga aaagctacag 660
 gatgaggatg agggaacgta cactttccag cttcaagatg gaaaagcaac taaccattct 720
 actgttgttc tctgttgaga tgttttcaaa aagctccaga aagaagctga attccagcgg 780
 caagaatgga tcaggaaaca aggtcctcac tttgttgagt atttgagctg ggaagtgact 840
 ggtgaatgta atgtactatt gaaatgcaag gtggcacaata ttaagaagga gactcatatt 900
 gtgtggtaca aagatgagag ggagatatca gtggatgaaa agcatgactt taaggatggt 960
 atatgtaccc tgcttataac agagttttcc aagaaagatg ctgggattta tgaagttatc 1020
 ctgaaagatg accgaggaaa agataagagc agactgaagc ttgtggatga agcctttaag 1080
 gaactgatga tggaagtatg caaaaaata gctttgtctg ctacagacct gaaaatccag 1140
 agcacagccg agggcatcca actgtactct tttgttaactt actatgtgga ggatttgaaa 1200
 gttaactggt cccacaatgg gtccgccatt aggtactcag acagagttaa gaccgggggc 1260
 actggagagc agatctggct acaaatcaac gagcccaccc cgaatgacaa agggaagtat 1320
 gtcattggagc tctttgatgg caaaactgga catcagaaga cagtggatct ctctggacaa 1380
 gcatacgatg aggttatgc tgaattccag aggttgaaac aagctgcat tgccgagaaa 1440
 aatcgtgccc ggggtgtggg aggtctccca gacgtggtca ccatccagga ggggaaggcc 1500
 cttaactctca cttgcaacgt gtggggagac ccgcctccgg aggtgtcgtg gttgaagaac 1560
 gagaaggccc tggcctcaga cgaccactgc aacctcaagt tcgaggctgg gaggaccgcg 1620
 tacttcacca tcaacggcgt gagcacgcgt gactcgggca aatacgggct ggttgtgaag 1680
 aacaagtatg gctcggagac cagcgacttc accgtcagcg tgttcattccc agaggaggag 1740
 gcgaggatgg ccgccttggg gtccctgaaa ggccgcaaga aggccaaagt accggagggtg 1800
 cgaggagagc cagccggcct gtgtgacttg ggtgtgaatg gtttgggtta aggatgagac 1860
 gtcttcatgc tttctcctcc ctattatttt ctggcttgag gggaaaataa tgtcagggtct 1920
 ttcactcata taaaaaagca ccaactaatg acactttaat tgtttttctt tatctacaaa 1980
 attatgtgtt aagaaaatac cattcatagc atgaagatta ggaaacagtt ttaaggagaa 2040
 gacttgaatg aagttggagg gacattgaat gatggtcaga gggcagacga atgtgtcgtg 2100
 gggcgaattg ggatttgctg cagctgtgaa gccatggccg tgtctcgtgt gttgttacag 2160


```

aggtgatgtg cttttcgacg ggcgcctcgt ggcttgaac ctcctctgta tgaataaaca 2220
gttttcacgt ctgtcctctt ccccgaaaaa aaaaa 2255

```

```

<210> 4726
<211> 1621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1611)...(1520)
<223> similar to gi9451 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

09466726283460

```

<400> 4726
tttttttttt tttgtcacag aacactgttt gcagtagagg aaactggcat tgcagtctgg 60
tggataaatg gcttgtccac ataaaccagt acatgttcat ccttttagcgc aaaaagccct 120
aatggcgcgg tacctatta aaattcagga catctccaat attctctctc tctgtttttc 180
tttgtcatct tttttttttt taaataaaca ttttcaaggt ttgtccaaaa gaaggccata 240
taggttcttg gctagcggaa gacaattcag aacagctgtt gcacacttgg actgtcacct 300
tctccagggt ggcagttgat atcttatttt ttttccaact catttttatt aaaaaataa 360
aaaaatgctc caactatcag ctttacaaaa tctctaaggg aaacacaaga gcaagggtgct 420
gaggtaaaaa cacctgaggt agcttattct gtgtgttttt ctcgtaaaaa aaatctgtga 480
atttaacgcc ctggggccaac aaccttggtt aatttctact ttcctccaca tttttttttt 540
ttaaagaaag gaatcatttt gctgaatatt gatggcttat acaccaaaat gcaaaaagac 600
aaaatacatt ctttcattgt ggaatttttt ctttgtttgg ttgattgggt gggttggtgg 660
gttcctgttt tcctcttcca aaacgctagg acaagtacca ttgactcttg ttcttttgag 720
taaccaagtg taagttgagg ctggtttgtg tgtttcgctt ttgttccttt tgtgtgatgt 780
gatactcaga gcactgcttt gcctggggag ggggggggtg gtagatacgg gattgagatg 840
gagggatgag gaaattcaaa agaattgaga tggagaagaa ggggagggga gggaggggag 900
agataaacag agagagacag agaattatat agcagtatgc aaaaaaccag tttaaaacct 960
gtgaagcaaa gagaaatggg tgtatgagct agacaggcat gaggagtga agagtttcct 1020
cttcaaggag acggtatccc ttctgttgac atacacaggt gatccagaac tgccgtgagt 1080
gtccttccga cgagatttcc ctctgggtga attttgtgcg ggtggcctca aagctcctct 1140
ctacaccgtg agacctccca aagaaagact ttattcttta aagtctagaa aagcctgctt 1200
tctctttaaa aagaaaaaaa aattaataat tgattaaata ttggagttag ttgagttatt 1260
tgatatatta tttctaaaa atattaccgc tgcaggcacc ctgtgtaacc cacaggccac 1320
atatcttaac atcttccctt tctaatatgt acacacatgt acagagacga tttgccacag 1380
aaaaagggtg tgcattttgc ttggctttga acacgttcac ctatgttagt tcaactaaaa 1440
gggtagcgt cgtgggagtt caggagagat ccgagtggat ggtgaagtgg attgctgaag 1500
cctgcaagac accctggggg gcgcggaggc ggggctcggt ggttctggca aacctggctg 1560
accttccccg cccctcctcg gcccctgggg tttctcaggg cctcggcaga gtccctggcc 1620
g 1621

```

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<210> 4727
<211> 3114

```

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(1712)
 <223> similar to gi4539520 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4727

aatgaatgcc	accagatctg	aagagcagtt	ccatgttata	aaccacgcag	agcaaactct	60
tcgtaaaatg	gagaactact	tgaaagagaa	acaactatgt	gatgtgctac	tgattgcagg	120
acacctccgc	atcccagccc	ataggttggt	tctcagcgca	gtgtctgatt	atdddgtctgc	180
aatgtttact	aatgatgtgc	ttgaagccaa	acaagaagag	gtcaggatgg	aaggagtaga	240
tccaaatgca	ctaaattcct	tgggtgcagta	tgcttacaca	ggagtcctgc	aattgaaaga	300
agataccatt	gaaagtttgc	tggctgcagc	ttgtcttctg	cagctgactc	aggtcattga	360
tgtdttgctcc	aatttttctca	taaagcagct	ccatccttca	aactgcttag	ggattcgatc	420
attdggagat	gcccagggt	gtacagaact	tctgaacgtg	gcacacaaat	acactatgga	480
acacttcatt	gaggtaataa	aaaaccaaga	attcctcctg	cttccagcta	atgaaatttc	540
aaaactttctg	tgcagtgtatg	acattaatgt	gcctgatgaa	gagaccattt	ttcatgctct	600
aatgcagtg	gtggggcatg	atgtgcagaa	taggcaagga	gaactgggga	tgctgctttc	660
ttacatcaga	ctgccattac	tcccaccaca	gttactggca	gatcttgaaa	ccagttccat	720
gtttactggt	gatcttgagt	gtcagaagct	cctgatggaa	gctatgaagt	atcatctttt	780
gcctgagaga	agatccatga	tgcaaagccc	tggacaaaag	cctagaaaat	caactgtggg	840
ggcactttat	gctgtaggag	gcatggatgc	tatgaaaggt	actactacta	ttgaaaaata	900
tgacctcagg	accaacagtt	ggctacatat	tggcaccatg	aatggccgta	ggcttcaatt	960
tggagtcgca	gttattgata	ataagctcta	tgctgtggga	ggaagagacg	gtttaaaaac	1020
tttgaatata	gtggaatggt	ttaatccagt	tggcaaaatc	tggactgtga	tgccctccat	1080
gtcaacacat	cggcacggct	taggtgtatg	cactcttgaa	ggaccaatgt	atgctgtagg	1140
tggtcatgat	ggatggagct	atctaaatac	tgtagaaaga	tgggacctg	agggacgaca	1200
gtggaattac	gtagccagta	tgtcaactcc	tagaagcaca	gttggtgttg	ttgcattaaa	1260
caacaaatta	tatgctattg	gtggacgtga	tggaaagttc	tgccctcaaat	caatggaata	1320
ctttgaccca	cacactaaca	agtggagttt	gtgtgctcca	atgtccaaaa	gacgtggagg	1380
tgtgggagtt	gccacatata	atggattctt	atatgttgta	ggggggcatg	atgcccctgc	1440
ttccaacat	tgctccaggc	tttctgactg	tgtggaacgg	tatgatccaa	aaggtgattc	1500
atgggtcaact	gtggcacctc	tgagtgttcc	tgcagatgct	gttgctgtgt	gccctcttgg	1560
agacaaactc	tacgtggttg	gaggatatga	cggacatact	tatttgaaca	cagttgagtc	1620
atatgatgca	cagagaaatg	aatggaaaga	ggaagttcct	gttaacattg	gaagagctgg	1680
tgcatgtgtt	gtagtgggtga	agctacccta	aagctatcta	tctttatcaa	atggaatgaa	1740
actagataat	ttcaagaaac	tgagtaggac	aaagggagaa	agaaatacat	gttctttttc	1800
ctgcaattaa	taatcagact	ggaaaattgt	tgtatcattt	taattttgtag	ttacaattgc	1860
tttcattcgt	gaagccgaaa	cgttttttaa	catgaattac	atatgaatta	ttaaagcatat	1920
gtgctttcgc	agctgataat	ataaaaggaa	atcccacagt	ctagatatag	ccccattact	1980
acaaaatgct	aaaatatatta	atgaaaattg	atggtggcca	cagtgtgcag	gttataaaaag	2040
cattaatata	tttcaaggta	agagccttaa	aagttaaaaa	catttttcagt	ttttttttaa	2100
aaaacgtact	cttattatct	ggaacataga	aataaaaaag	gtaacatcta	aagcttagaa	2160
tagtgtgatt	tttagtaagc	cattattctc	ctatttcaat	aatatcccaa	agagctaaac	2220
aattccttac	attdaccaag	aggaaagctt	ttactgtgtt	gaggctaaaa	aaaataatgg	2280
ctctttgaca	aaacttggtt	tggtgatcgc	ggtagtgcac	aattttttaca	ggtttgctca	2340
tctgccagag	cacacatata	aatttggtat	ttcttaacat	attatcttgt	tagattttgtt	2400
accagtaaaa	tattactgta	attdcatata	cacagtctat	acaatgaaat	aatgaatatt	2460
tatcatattg	atacaaaactg	tgacctcagc	ttcagagtgt	cagggcctca	cttgatataga	2520
atgtaatgtt	ctcctcaaac	attdtatgta	actctataaa	caaatatcgt	taagttaaac	2580
aagttttcaa	aaacaaaaca	attdtttaaag	taccttaaaa	ttgaggatgt	tactcagtgt	2640

094539520.0123400

taacacatgg	gaacacccaaa	atattcaata	agcctggtca	attctatagt	tatctttttt	2700
gtaccaacac	atgcttttct	gttactgtta	tattatccag	tagaaaatgt	taggatatgt	2760
gtgctatata	aaaaaaaaaa	aagacttggt	aagttttaaa	ataacaaaaa	tggctagttg	2820
aatagtattt	tatgtgtaat	tcttccattt	attctgggtt	aattatacaa	ctaagatgaa	2880
atattgaaaa	accctttgtg	aaagtaactt	ttcaagtaaa	tgcacaactt	tagaatttct	2940
acaaataagt	tcttttaaac	agtcttttta	ttgtggattg	tgaaatcaaa	atctggagaa	3000
atgcttataa	aataactac	tagcttttaa	gttttaagaa	agaagaacgt	aagttgtaca	3060
aagatatttg	tactttgaca	aactgaattt	aaataaactt	tatttcctct	caaa	3114

<210> 4728

<211> 1732

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1713)...(608)

<223> similar to gi2088823 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4728

tttttttttt	ttccagtagt	aaacgtcttt	attcttccgt	gacgtcgcac	acccaagcca	60
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acccaaggcc	ggctcttcca	agcaccacaa	atcctctcct	cgcccaggtc	cctttccccc	180
tttctggcct	tcgtggggac	accttcagag	tcccaagga	aggctgtgct	gtagcctca	240
ctcaaccag	cttttcaaag	ttctgcagga	ggcaaagggc	aagcccagag	attaggggta	300
gagaccaaag	acaagcggtc	gttaccacct	atatccaagg	ggatggggac	gggagggggc	360
tttttgtaaa	aatgcccctg	aggtatagaa	ccggcaggca	ggcaggctcg	gaacaaaaca	420
ccctgaacca	gccccgaaga	ctgctgctcc	cagactcctt	tctgcttcag	tggtagatga	480
ggccagggca	gagggttttc	atcatgtagc	tatgaaagga	agcccccaac	ccggtcagtc	540
aggcaatgag	gggctgtttg	aagcacaact	ggaacccctc	acaaaggcca	tgtctgtccg	600
aaacttcatg	ttggtgggtg	gctggcggcg	gagcagtgac	tccgtctggt	cttggggtag	660
aggctcatca	tagatgggtg	agatgagccc	caagccattt	ctacggggcc	tcttcagttg	720
cccaaattgg	tgtagcttct	ctccatggta	ccccaatcca	cgcttgcatc	tgggggtgtg	780
gccatcacta	tccagggcct	caggcacccc	tgagcacctg	cagcccaggc	cctggccctc	840
agcccagccc	tgcgcgtcca	tcaccttccg	cccaatgccc	ttggtgtggc	gctcaaagggt	900
gcccacctgg	cgttcgatca	cagagccatc	ttcctgtcca	tctcggagtc	tctgttccag	960
acgcatttgg	acagagtctc	gggcatacct	gtctccacca	tctctgtcat	agtacacact	1020
catgtccaca	tcccagtcac	cggctgtctg	ttcatcaaaa	tctccttctt	cctcctgcca	1080
gaactgggca	tcagtataaa	acaccaggcc	agagccaccc	ttctcccact	tgagctcaat	1140
ctcctcctca	aagagctgct	cagtgggtccg	ctcctgcccc	gtcacgtcct	catgcagcgc	1200
ttcatgccgt	tcccattcct	caccocggtc	atcgtcctca	tctgagttag	actcttcttc	1260
ctcttctctc	cccacttctt	cctcaggctc	tccacagggg	ctggctggta	tatctgccag	1320
gtaggttctt	tggggatatt	cttcaccctc	tgctgtatac	acaagctctt	cctgctccac	1380
agtctctgag	tcctcatact	caaaaggcac	attgccgtag	cgccgggagg	aacctgtctt	1440
ggggaaactg	agctgcagct	gggtgatgat	ccgagggggg	aggcggcagg	cccggatcaa	1500
ctccaaaaag	acccgcaggg	gagtcaccac	attccctctg	ggcatcagca	ctgggtgggtt	1560
cagctccggc	agttgcttca	ggtcagccag	ggtgaaggct	tcattctctg	ccttccaact	1620
ctgcagttcc	ttccgggtct	tgaagggaaa	ggagcccaga	cctgatgcct	ccgtaggtag	1680
ccgaagtctg	cggatgagac	agcgacccgg	cctcgtgcca	agcttggcgt	aa	1732

<210> 4729
 <211> 864
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (865)...(364)
 <223> similar to gill151254 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4729
 acttgatgcc ctgttatagc cactgaggttc caggacctgg ctagaagcag agacaccagg 60
 acagaaaaga cagtgttctg ctttcatgga gttcacagaa gagtcgagga gagcttcaca 120
 tttttcatcc attcttaaaa ttgagccagt ttagccctag gaggtgggca ggctctgagg 180
 aatcatcaat caagagaaga gaacatcgcc agaaaacacca tgctgcagta caaaaattct 240
 ataaaaatac cttttttgag tcattaacat aaaatgaaga aaacagcagc agccaagaag 300
 agagatgttg aaatttaaga gaggaagaca gagaagaaaa atccactgga taccttatgt 360
 gtaattcacc aatctgttgg aacacttctg ccacgtgtga agagttttgg cagaccaaatt 420
 ccacatgcct gaagtgatgc ccaccaacaa agacataaaa attttcaaca tttcaacagc 480
 catgttgga tcatctgcag aataccgaaa aagtgcccgag ttggagattt cataaaaata 540
 acaggcaatc acacacgttg caggaaactgt gtacagtact gagaacaccc caatcttgac 600
 catcagtctt tctaacttgt ctgtctttgt cccatccttt tgaagatttg accgaatttt 660
 gaacaaggcc accaaacctg cagcaatgaa caaagttcca atgaccaaatt aagtaaagag 720
 gggagccacc acgaaccccg tgaggggcatc gagattttgg tttccaacat agcacaagcc 780
 agtcagttca tctgcatcca ccagtctcat aatcaagatg acaatgggtt tcaactggcgg 840
 gatggcccg gctgcaatgt gaaa 864

<210> 4730
 <211> 1097
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1098)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1061)...(369)
 <223> similar to gi2576346 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

[illegible]

<210> 4731

<212> DNA

<213> Home

<220>

<221> misc feature

$$\langle 222 \rangle \quad (161) \dots (1451)$$

```
<223> similar to gi289760 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 4731

3369

```

gaactcgggtg gggcccaatg cgacaaggcc agatgacatc cacctgctgt actcagggaa 960
gacggtggaa atcaacaaca cggatgccga gggcaggctg gtgctggcag atggcgtgtc 1020
ctatgcttgc aaggacctgg gggccgacat catcctggac atggccaccc tgaccggggc 1080
tcagggcatt gccacagga agtaccacgc cgcggtgctc accaacagcg ctgagtggga 1140
ggccgcctgt gtgaaggcgg gcaggaagtg tggggacctg gtgcaccgc tgggtctactg 1200
ccccgagctg cacttcagcg agttcacctc agctgtggcg gacatgaaga actcagtggc 1260
ggaccgagac aacagcccca gctcctgtgc tggcctcttc atcgccctcac acatcggctt 1320
cgactggccc ggagtctggg tccacctgga cattgctgca ccggtgcatg ctggtgagcg 1380
agccacaggc ttcggtgtgg ccctcctgct ggcgctcttc ggccgtgcct ctgaggaccc 1440
tctgtgaac ctggtgtccc cactgggctg tgaggtggat gtcgaggagg gggacgtggg 1500
gagggactcc aagagacgca ggcttgtgtg agcctcctgc ctcggccctg acaaacgggg 1560
atcttttacc tcactttgca ctgattaatt ttaagcaatt gaaagattgc cttcatatg 1620
ggttttgggt tgtctttctg gtcgtcagcg tgggtgtgga aacagctgaa gttttaggag 1680
acagcttagg gtttggtgcy ggccacgggg aggggaccgg gaagcgctgg ggcttgtttc 1740
tgtttgttac ttacaggact gagacatctt ctgtaaaactg ctacccctgg ggcttctgc 1800
accccggggt gaggcctcct gcctgcctgg tgccctgtcc cagccccagg tcctgtgcag 1860
ggcacctgcy tggctgacag ccaggctctt actccagccg gggctgccag cgcattccagc 1920
cagcccagcc ctgtgaaaga tggagctgac ttgctgcagg ggacctgatt tatagggcaa 1980
gagaagtcac actccggcct ctcagaattc acttgagggt caattaaata cagtcacacc 2040
gccccctcaa aaaaaaaaaa a 2061

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```

<210> 4732
<211> 2247
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(378)
<223> similar to gi4753706 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4732
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<210> 4733

<211> 2365

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (40)...(992)

<223> similar to gi3328106 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4733

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<210> 4734

<211> 2547

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2461)...(1660)

<223> similar to gi3334982 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4734

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<211> 1034

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (309)...(461)

<223> similar to gi4455015 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4735

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ccatgctaag	cccttgccat	gctaagccct	ttacagtcac	atcctataat	ccccatatca	6180
accttataag	gaagggtgtt	gtagatgatg	caactgagcc	ttaagaggac	taattccctt	6240
tttctaaggc	acagagctgg	taaaatgtga	agtaatagtg	aacctaacag	tcagagacag	6300
gcagcatgct	cttaactagt	gctcttccca	aagtctcttt	aatgtccttt	tgagattttg	6360
agccatggaa	cttacttggt	cacctggcta	agaactcatg	gccactgtgg	aaatcttggt	6420
tagggagtca	aagaaaactga	gcctggggca	aacgaggctt	cccacactgc	ccagggggagc	6480
ctcaactgtg	aagtctaggc	tcagacaggc	aatcaacaaa	cctattccac	ccaccatcat	6540
cctgatctaa	ccattcccca	gtcatcccag	gaaaaccact	cacagcctga	cactgggctg	6600
actttcttga	agatcctcat	ccaattggtg	tttttcagaa	gtgttccaat	attatgaatt	6660
ctgtgttggt	gagaaaagca	accatgcatt	tactggtcaa	tgcttctctg	tatatgtaat	6720
tcaatacttt	tacttttaat	atcctcacct	tatctaattc	ttgaattttg	tcatgtaatt	6780
tattgtctca	ttaaggttac	tttttggtat	acaaaataaa	agctgatatc	caaggcatgg	6840
tgcatcttga	tgattttttg	tcctttgaag	tatggatgat	agaaaaatgt	atcagggtta	6900
ttcatctcat	ctttctgtta	caggatgatt	aattgtacag	ttacatcaca	tgaaacattt	6960
ataataaagt	catgctttag	aattgc				6980

```
<210> 4737
<211> 1364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1367)
<223> similar to gi2996640 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 4737						
ccatggcacg	tcccaacaaa	ttcctccttt	ggttttgctg	ctttgcctgg	ctgtgttttc	60
ctattagcct	tggttctcag	gcttctgggg	gagaagctca	gattgctgct	agtgcctgagt	120
tggaatctgg	ggctatgctt	tggtccttgc	tgcagcatat	agatgagaga	qacagagctg	180

ctgcagagga	tgagtcaagc	ttgccatgaa	gtggatgact	catctgttgt	tggattaaag	780
tatttgcttc	ttggtgccat	acacaaatgt	ctaggaaact	cagaagatgc	tgttcagtac	840
ttccagcgag	ctgttaaaga	tgaatttgtgt	cgtcagaata	atztatatgt	tcagccgtat	900
gcctgttatg	aacttggtctg	tcttctatta	gacaaaccag	agactgtagg	aagaggcaga	960
gctctacttc	ttcaagcaaa	ggaggatttc	tctggctacg	actttgaaaa	cagattgcat	1020
gtccgcatcc	atgtgtctct	ggcctctctg	aggggaattgg	ttcctcagtg	acagaccccg	1080
aacacccgct	tccgtccctc	cccacccaag	ggtccgccac	tttaaaaaata	aacgccagag	1140
gacaaaaagc	tctttgtgaa	agatggggct	ttttcattct	ggaaaaccca	ccttgntgcc	1200
caggggacac	attttccccc	agttaagctg	acatatttaa	agatctcctc	ttttaaacat	1260
gtagctgaaa	agtaataatg	atgttgagga	ggatgatgat	ggtaataata	actaaccacc	1320
tggggagagg	gttaagtga	cttgctcaaa	cgttttagtt	ttgtgattta	ttatttttaa	1380
aataaaatca	aacggaacat	ccaacccaag	atcctgtagg	aacacctacc	ttaagcacat	1440
atctgaatgg	gtaacatgat	gaggtacctg	taaaattatt	aacaatatca	tgacatagca	1500
tttatatttg	tgttttgaaa	aaataaaaagt	gctttctagt	gttttacttt	atcctc	1556

```

<210> 4739
<211> 2150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1188)
<223> similar to gi5689766 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4739						
agaggcgccg	tcttcccggg	tcccagacac	tctgtgccgg	aggaatcagt	gacattcgaa	60
gacgttgccg	tggttttcac	agatgaagag	tggagtcgtc	tgggtcccat	acagagggac	120
ctctacaagg	aggtgatgct	ggagaactat	aacagcattg	tgtcattggg	ccttccagtt	180
cctcaacctg	atgtgatttt	ccaattgaag	agaggggaca	agccgtggat	ggtagatctt	240
catgggtctg	aggagagaga	atggccagag	agtgtctctc	tagactggga	aactaagcct	300
gagattcacg	atgcttcaga	caaaaaatca	gaaggatcat	tgagggaatg	ccttggaagg	360
caaagtcctc	tgtgtcctaa	atgtgaagtt	catacaccca	atggcaggat	gggaacagaa	420
aagcaaagcc	cttcagggga	gactcgtaag	aaatccctct	cccggggaca	aggcttgccg	480
cgacggtcag	ccctgtccag	ggaaattctc	actaaagaga	gacaccagga	atgcagtgac	540
tgtgggaaga	ccttttttga	ccactcatcc	ctcacccgcc	atcagaggac	tcacactggg	600
gagaagccct	acgactgccg	cgagtgtggg	aaagccttca	gccacaggag	cagcctcagc	660
agacatctga	tgtcacacac	tggggagagc	ccctacgagt	gcagtgtgtg	ctcaaaagcc	720
ttctttgacc	gttcgtccct	aactgtccat	cagcgaattc	acactggaga	gaaacccttt	780
cagtgcacag	agtgtggaaa	agcctttttt	gaccgttcat	cccttactcg	acaccagaga	840
attcacactg	gagaaagtcc	ttatgaatgt	catcagtggtg	ggaaagcctt	tagccagaaa	900
agtattctta	ctcgccatca	gctaattccac	actggcagga	agccttatga	gtgtaacgag	960
tgcgggaaag	ctttctatgg	tgtctcgtct	ctgaatagac	atcagaaaagc	tcatgctggg	1020
gaccctcgct	atcagtgtaa	cgagtgtggc	aaagccttct	ttgaccgctc	atcccttaca	1080
cagcatcaga	agatccacac	tggagacaag	ccatatgaat	gcagcgaatg	cgggaaagcc	1140
tttagccagc	ggtgccggct	cacgcggcat	cagcgtgtcc	acacgggaga	gaagcccttt	1200
gaatgcactg	tgtgtgggaa	agttttcagt	tcaaaatctt	ctgttattca	acatcaacgg	1260
cgttacgcca	aacaggggaat	agactgagtt	gggcaaaagc	ttgggtagga	caagaacttc	1320
catacaaatt	tgagatagat	ctcgccgtgc	ttaaagctgc	catttgctca	ttctaccac	1380

tctggctgcc	gttgtcctgt	cctgcttctg	cgccagagt	tttaataagc	actcccttcc	1440
tgctgtgtta	cagaactgta	ggggaggcca	tggaatgac	tctaaagata	caaaattttg	1500
aagagggttg	tcagacaata	ggatagatgt	taggaggaga	cacacctctt	gtctgagaac	1560
ctaggcccca	ggtatcactg	cactttaaga	aactggaggc	tgcaacagga	gggaaaggca	1620
gaatgatatc	acagcagtac	tatttttttt	tttcaaaaca	tttgttttga	tggtgtgtag	1680
ttcccctctc	ttggagcatt	ttggggcact	aatcttggtc	tcttggtgcc	cagcttttag	1740
acctcttact	tccactgcta	gtagctagca	cttactgagc	acctgcaatg	aggtaaagac	1800
tcagctaagg	gttttacagg	aagtagatta	attgatcctg	tcaccaacca	tatgaagtag	1860
gcactgttac	catctgcata	tccagatgag	caccctgagg	tttagagaga	ttaaatcact	1920
tgcccaaggg	tgaaccagct	ggtaaaagg	gatgccagg	cttgaagaca	ggtccacctt	1980
caaaatctat	tctctttacc	attatgctcg	atggtttggt	tgttttataa	tttatgtata	2040
tgtattatcc	tctcaactag	attgtaagca	cttggagggtg	tgacttacag	gtctttgtat	2100
ctcacacagt	gccttgctaa	taggtgctca	ataaatattt	atatgagtga		2150

<210> 4740
 <211> 1011
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1012)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1011)...(308)
 <223> similar to gi517115 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4740	
tttttttttt	ttatgttaat
ggtaagggaat	atgatgtagg
aaccggccag	taaaccctct
gaaaaacat	ggcttcaggc
caacaacaac	aacaacaacg
ggtcagccaa	atcctctgtt
attgtagaat	atttagggag
ctttcattcc	aactttcagg
tgtagtctgt	cagttcctgt
ttgtggaaag	ccttccaaaa
taacgtgcat	tcttttcaaa
ttcagttctt	cggggtggaa
ctccgaaatt	cttcataaac
gaaacatagt	ctctcttggt
tttgtgtcgt	ttctgtccca
tcaccttcat	catccagaag
ntttcgccac	ggttatctat
ttttcggtta	ttttattttt
tccaagggag	agaatacagt
tctttcctgc	ttatcactag
ctaaaacaaa	acaaagtaga
ctggtgggac	aaggcaagct
gcttcttgaa	gcgcttcttc
ctgaaacatg	tcagtgtctct
gttattttca	tattatttaa
aggaattttt	tcttttcttc
aactggttata	tcctgggttca
tcataatctg	tatttccaac
cgcacatttt	ataaaatcct
aaatgtaatt	gatatactta
tacttccatt	aggaattaag
aaaataacttc	ctcaaagtta
actcaggaat	gagttcttga
ctggccatcc	t

<210> 4741
 <211> 2255
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2258)...(1503)
 <223> similar to gi5441944 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4741

taagtccact	gaataaaaaac	tatgaaattg	cactctgtgt	caaccatcca	ctaggataga	60
ataccgaaat	ctgtgcatgc	aaaaatagga	gatgggcca	tttgcacaca	attcgtagtt	120
atgcagtctg	ctatataaat	atgttcacat	gcactgtgtg	tatgaaaata	gatggtctgt	180
gttcagacaa	aagtaaaaca	tttttttcaa	attgttatat	ttaaaggttt	tctgggagaa	240
atztatgaaa	cgcaggctgt	gtctatttga	catcagaaat	ttccacttta	aaccaaata	300
ataagaaact	ttaatctgta	tattttacaac	ctttgttgag	tacacttccc	ccttatttat	360
acgtctgcat	ttccttccga	gcttcacatc	tttctaaaat	gcagcttggg	tttaaaataa	420
aagaacattc	attttgtgat	tctaaacaag	cttcagtaaa	taccaccagt	atagtactgg	480
tgaatttctc	agcataaaat	cgacatacct	aaaaagtta	taaaattcag	ctcttttcca	540
atttcattgt	tatgcctatt	gaagtattaa	ttgccagggt	tgatttttag	tgaagcttgg	600
agtccatact	ttgagcagac	caagtgaagg	gaagaacaga	aagaaactca	ggagtagagt	660
aatatcactt	ctcactttaca	ccactttcag	gcacatccaa	agagttccta	gatacttgga	720
aaatgtctga	aaatttttta	gtaaaatact	aaacttttca	gtgttttagct	caactttttg	780
ttcatttgga	agttttctct	catccgagga	cttaagccag	ttttggattt	gtaagccctg	840
agtacaatac	acttcctgga	ggcatcctca	ctgctgttga	agcaaaggat	atgcatgggg	900
tggaaggacg	gcttcgaacc	tgggactcat	atgccttgag	aacaaataga	ttgttacagc	960
cttgggctgc	tgcgtaatca	cagttcctcg	aggctcttcc	tgagcacatg	cccaagcatc	1020
tgctctgga	gagactgact	ccaaatgcag	gtgcttccat	tggagctagg	tcggaggctg	1080
ctttatatga	cgaactccag	aaatggatgc	cagaatacgg	aggccaaacg	ttctgagtcc	1140
tggactgaac	agcacctact	tgtggtctgg	acagcttaac	ccagagttcc	tggagaata	1200
aatgctgtta	gcatctgggt	aatttactgg	cagacagaag	cctacttaca	gtggctttca	1260
actttttgac	cacatcttta	ctgtggaatc	tcatcaaaga	cttggaagca	ggggtggtga	1320
gaggggcctg	gggcgtgggtg	tggagggtcg	agttctttgt	cgtcccacag	tcacccccag	1380
gaccaccttg	cgaagccgaa	aatacacatc	tgcattttac	cgacaaggaa	cgccactcag	1440
aaagctgcag	acatttgcct	gaggtcacgc	ttacagtggg	cagatgaact	ggatgtaaat	1500
acaggagcgg	cagagaggac	aggcatggaa	aggaggcctg	tctcccacgg	agaactcctc	1560
tagtgccagc	agacacgcat	ggtggaacac	atgtgagcag	gacaggaggg	ccatctctct	1620
ggaacgcctg	cctgcaccca	cgcgctgacc	gccagcagcg	gagagagggg	ccaggcagat	1680
ggagcactcg	tgggtctccc	ggcgcagagc	ctgcacttgg	attttctccc	attcctcttc	1740
tgtgatctca	tggccacatt	tttcttccaa	ctgctgaaga	acacttcgat	ttatggccaa	1800
gcactgatcg	atttctgcaa	agagctcttc	aatgttggtg	ttgtatgagc	acaggatgcg	1860
gtggctgatt	tctgtgaact	ttttttcaaa	gaattttttt	cttaacttgg	catctgtggg	1920
aggtagtgtt	ttcctcaggt	ttctgtacca	ctttctaaca	acacatcctc	tccagtaggc	1980
ttggattctg	gtcacacact	tgattctgaa	caggcgggcc	ccatcggtga	tcactcgggt	2040
ttgatactgg	ttctttctac	agagaggaca	ggttttctta	tttgtgaact	tttcaaaagc	2100
ctgaagacat	gctttgtgga	acacatggga	gcatgaaagc	agcacctgag	gacgaagctc	2160
gaattcttct	ttacagatgg	ggcatgggtg	cacggagtcc	ccttgcagga	gagagcgctg	2220
tttcaccttc	tcccatcat	ctgatgacag	tggag			2255

<210> 4742
 <211> 931
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(193)
 <223> similar to gi3878503 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4742
 tctcctgggg cgggggcagg catggacagc tgggccatgg gaccctggag gcagagctgg 60
 agccacgggt gttggaggcg ttgcagggcc tagtcatggc tgagggtggc gcggggggct 120
 ggcatctctgt gtgtgtgagt gagactgggg atatttatat ctggggctgg aatgaatcag 180
 ggcagctggc cctgcccacc aggaacctgg cagaggatgg agagactgtc gcaagggaag 240
 ccacagaact gaatgaagat ggttctcagg tgaagagaac ggggtggggct gaggatggag 300
 cccctgcccc ctcatagct gtccagccct tcccggcatt actggatctc cccatgggct 360
 cagatgcagt caaggccagc tgtggatccc ggcacacagc tgtggtgaca cgtgagtggg 420
 gctgggaggc actccgctcc actcgagctg gtgcctacgg aaggggggtgt ggtcgacgga 480
 aaaacttctg tcttaaggct tctgtggctc atacagagca gctaccttgc tcagtggata 540
 agccccaacc cccgtgttgt ttcacagtag ttccccagcc tgtcaggccc agaagtttct 600
 tccttctggt gggaggctga tgctttctgt cctccctgca cggccacaga cacattccct 660
 gcccgccgcc gcctctgaca gcagggactg tccagtctgg catggaagac tgcggcgctc 720
 ggtagcatgg cacacaggaa gatccgccac tttttccctc gggatcctct gccatgccac 780
 gtgtgatcag ccagttgtta agagaatatg ttgttccatg ccaggcagat ctcatgagga 840
 ttgtaatatg ctagctgtgg gctatgccaa gctgggctgg acagatgcct tgccaaagaa 900
 ccgtagtgac aactatcgat tgtccttttg g 931

<210> 4743
 <211> 997
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(998)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (773)...(184)
 <223> similar to gi4929823 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4743
ttttgtgaga cgaccacttt attaaatcac caggggttca aaacatttga aaagaaaact    60
atgactggga aattactggt gtgtgtccga caccggggct ttgggtgggt taagggtttg    120
ctttgaagct caccgagaac ttcaacatgg gcttttcccg gggcctcagg aggcaaagtg    180
agctggggaa accccggagc cgaaggcggg tctactcccc gtcggggacg atggtgagcc    240
tggcgtgagt gatgacatct tggagctcta gggtcaggct atcgaacaga tgactttggt    300
tgggagacaa cttggtcact ggaagcagtg gtttccactt gtggggccggg agaatccact    360
tttgctgat cacggcttct tcctgagttg tcaggatgca cccatccact ttacagctgt    420
caggagcatt gccttcaaaa tattttgtgt caatttcaat tcgagttatt actccaggat    480
gtgccaatcg gaaaactgcc cattcacaac ccggaacca gagaatgcca ttctcatcat    540
tttctaatat tgggtggccg tccagccttc ttgcagtttc ccaaccatcc gccatagact    600
ttgccccgcc aactcctatt atattgtttg ggtgccccaa cttagcatta ctaaatccta    660
cacagacacc cccaaaagcg atggccacta ggtctgcagg ttctttgggg tcagttgcag    720
tccagtcttt ttgtccagta ccgaatacta taagtcgtgc aattccacca tctgtgttgt    780
tcacttctgt accactcttg tatcgtctct acctagaaga ggtctgggca catagtaggc    840
attgaagttt ttttcattaa atgaacaact ccaaggtcaa acagcattcg ggaaattcac    900
catacagata atgtttcgtg ctagaaataa gcacgcgtga ctcccacaca gacgaattcc    960
acggcatatg cgcngctaac tgggtnannn acccgcc                                997

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```

<210> 4744
<211> 1986
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1249)...(982)
<223> similar to gil770742 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4744
gggattccaa ctcgggactc cccgcttctg gggagaccgg tgaggcccc ggcacatggc    60
ctcccatcc ccaagcctct cgtgcagatc tccgctctgt gggacttgat tgcgggctgc    120
gggcccgtgg ctctgcagg cagagagagg acgggagagg agacggctac gaggcttggc    180
cgcaggtagc tacggtgctc cccaacaag gaaccggaaa ccctcttcgt ttgttgatct    240
aaatatacaa aaataaaact agttgctggg ttctcagacg gagtctctgc ggcattagga    300
ggcccaccct tattttctct tttcttcacg caggaatcag gtccctgggc ctggggggcg    360
gcaaaaggag atggcgggtg gtcaagtggg cgcgcaggct cagacctggg gcttctgagc    420
ccacgcccag gcatctcgga cctctcactt ctgaggccac ctctgcctt ttagaatgaa    480
gggctggcac agttctgcca ggatgcacgt tttagcactt ctgtcagact gaagcatccc    540
ctcgcgcaa ggcgctgaag tgtgagaggc actgttctaa gtgctttaat ttgcacttgt    600
ttaatcctca caggagtcaa cttgaatggg cacacttatt ccacttttac agaagaggaa    660
actggggcac agaaagactg agtaattgct cagggggcat gctccaagaa agaggagag    720
acaggatttg gaccagaca ggctggctcc ctagtgtctt ggactttggt gtggatgatc    780
caactcaagc cttctccttt ttccctccta tgtgatcttg catgcgtttg tgcagagaat    840
gagaaggcag atcaaagtta cagatgctgc gagaacatcg ccaagcagaa tcttgggtgc    900
tgtccccacc tctctgtacc tgctccctcc cagagaagcc agcctccact tgctgtcccg    960
ggccttctct atctgagaaa agttgaagga gcacatgtcc ttgcgcagga agaggctgtt    1020

```


acagacgtat	tccccaaaaa	gggatacccc	aggccgatgg	tgttcagcca	tttagcagct	1260
gaaaaaggaa	acagtgcaca	ccaatgggag	gcagcctgcg	tagccctcat	caggcaagac	1320
agactgaatg	caggagtggg	tgattagctg	ctccttgaac	ttgaggctgc	cttggcagca	1380
ggggcacagc	aggcctcaag	agcccctaata	tgtctcaggg	ttcaaaggaa	gacactgacc	1440
tttcccatcc	cggtagcttc	agggaagatc	atagttaata	acgtctctca	acaaatgatt	1500
acttctttgt	ttccttgtgg	cttcttgtct	gtctgagtca	acgaatacac	agacttactg	1560
gattatagaa	gagaaaattc	acatctgcct	tgttaatcta	ataaatataa	ttacagcccc	1620
ttaatgtgtt	gtcaatgagt	ctaagttgac	aaattcagtg	gcagcccagc	cacctcctat	1680
caatcaatca	gggaagaaat	gcaggggaga	ctggggccct	cagtgagggg	ctgcctggca	1740
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cgccactggg	tccaaggagc	ctttgttcaa	aggaagaagt	gggccacgga	agaacgggcc	1860
tgcttctctc	gtgcctgtgc	ttctgacctc	caggaaactgt	aaacaggaac	acctatgtgt	1920
aactgaaggc	atgagacatc	tgtacaggaa	gcatcccagc	gcccacatgg	gcatgagaca	1980
gtctgcaactg	cgcttgggtga	aatgcgtgtg	tgtacagaca	gtccactggg	cagcacaggt	2040
atcctcatgt	tctttattttg	cacagagtga	aatgtcagaa	gttacctgta	aatgaattca	2100
cagtcaataa	agtccacgtc	tacctggaaa	taccaggctc	ggcctctgca	ctgtgcgcac	2160
acgggcttca	cttgtgtcta	tttcagatgc	gcagggaagc	tttcggcact	gattttattgc	2220
tcttgagtca	ttttccca	gcttaacacc	acccttctca	ggcacacggc	ctgctgatgc	2280
acaccgctgc	gccaagggtca	cggttctgtg	tctccagaca	cccttgatga	gaaaatacat	2340
tttctgtctt	agaagcacat	ttcaggaaac	aagagtggcg	ctgaccacgg	tcaccatgcc	2400
tggtcacaa	acatctcaca	ctatttgtcg	tttatttctg	atctaaaaaa	ctgaaacttt	2460
tgacacgtac	accagaaaca	acacattcaa	taacatagaa	gaaatgtctg	cgaatgtctt	2520
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aatatcaaga	ttcaaactgg	aacaattttc	ttacaaagat	tgtgagttga	aatttgtcat	2640
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aaattacatt	tccacttttc	ccaccagct	catttcttta	aaaactaatg	gggctattgg	2820
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aaacccttcg	catatccagt	gtaaatttat	ttttttacag	catccaataa	atcccagtaa	3420
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aatgcacttg	attttatgcc	cgtgggtggt	cggcagcaag	ttttatttgc	aaagcagcat	3540
tagcaaacag	aagcaattgc	accgtaaatg	agtaacctct	aaagtatcag	taattatatt	3600
taatgaaatg	tccctcaaag	tccctttggt	atgtgcaagt	gacacattgt	aaggaacttg	3660
cccatcccg	taagctgact	tctcagccgc	ttcagtcctcc	tgctcggaca	gcttctcttc	3720
tgacagaact	gacatccagg	gcgatacggg	gcgcgtgatg	ctctgcttgg	ccaggttgta	3780
gtggtttatg	actgtgtaaa	atttctcccc	ggcactggag	tcttgctccg	cgtagtagct	3840
ctccaagcct	tctgggatgc	actgggtggt				3870

<210> 4746
 <211> 1635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1553)...(596)
 <223> similar to gi746549 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4746

```
acgccgccgt aagtttggat actctacagc ggccgcaata cattgggtgt gatataccta      60
aggttactcc ctgtgatgtt ctgaatggtg agcacttggt tctgctgact gtggtcgcca      120
gggatcgtaa cccacttgac acgacaggag aaaacagggt acagattaac tggcagccac      180
acagtgcata tgtatggtaa tatgggggga agggtagcac acagtcaaat catctgcca      240
agtgcagtgt gagtggatac agatcacagg ctgagcacct gggggcaggg ctttaaactct      300
tggactaaat tcactcatga gccctccagg atatctgctg gcagggtgcac ggaggatgta      360
catagcacat gtgtttgata atgcagtcca attggggagt ggataaagtg catttatatt      420
cttctatgtt tgtttttgta aaaaggagaa aggaagcaaa agactccttc ctttcagacc      480
cagtgtccac tgagcttggg gggggtggag ccgggaccag ccccttagga aaagggtgtg      540
gaatagaagg caatggcatt ggcgctatag tccatgggga ggagggtgcc gatgtgcctg      600
gcccttaggc tggccccacc cagagcggag gagtgcctca gcttcatcag ggtgaagctg      660
gagaagaagt tctgagcctg gatctctctg ccctgggtca gcgccaaaag aaaaccttcc      720
ttcagcagct cccagctctt ccacacagag cccacgcaca ggatggggag tccaatcttg      780
ccctggaaca agaccgggtc aatctcgggc aacactgcta cgatgtgtct gccagcatc      840
tccccagcct tcctgaagat atagcgggaa agggggtctc cctgctgagc accttctgca      900
attttccggc aaaaccagc aaacctgcat ttatcaaagt ccctatacag gtgagtgtg      960
atccctagcc gatctggcac ctggaaatag tggaaacatg cctgtttgac gtagccgata     1020
tcatgaggag ccgcctctag gttgtcaatg gagtcaaaca ctattttcac tgcttggtgt     1080
gcgatccagt aggtgaacc ctcatcacc atcatatggc ccagccgcc gcagccactc     1140
tcggagccat cagggttgat gagcctgcag ttggagcctg ttccagatat gagcacaact     1200
ccaccatccg gtgtagctgt ggcgatggag ccggcggcat cgggtggtgat taagtagctt     1260
tactcaggt agggaaatcg gtccctcagc tccctgatca ggatcctccc cgcgtcctcc     1320
tgggtccccac cgctcagaga taggccaag cttcgcagcg gtaccagagg atccaccctt     1380
gctttccggt tggccctgtt caccatctca ttgatcctct ccacacactt gtctgtcccc     1440
atcagccagt ggtttgtgct cagtccatct gcttctgccg ggatcttccc atcctctgag     1500
actaaaagga cctcggatcg tgtgcctccc ccctctacac ccccatagat cgcggccatg     1560
ctgctgtctac cgtcgtgct ggtcccgccg tttgcgtctc tccccgcctg acacctcctt     1620
ccctccagca cgaaa                                         1635
```

<210> 4747
 <211> 2507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2508)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2461)...(1592)
 <223> similar to gi5199139 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4747
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agtagctggg actacaggcg cccgctacca cgcccggcta attttttgta tttttagtag      180
agacgggggtt tcaccgtgtt agccaggatg gtctcgatct cctgacctcg tgatccgccc      240
gcctcggcct cccaaaagtgc tgggattaca ggctgagacc actgcgccta gcccattgtt      300
gttttttata aaagcatgcc cttacatgag aatgaaaagta atcctttcat ggtgtacagg      360
accccagctt tagggctctt tgataactat tttggctatt aagccttttc ccccttttag      420
tgcctagaaa aagtagaggt tgtatggata agtgcccctt aatagccaag acttcttgag      480
gactaaacct caatttcctt ttataaaatg atgatggcaa tagtccctac ctcagtggtc      540
tgttgtgagg attcagtaaa ataataaagt gcttatcatg ctgcctggta tatatgaagt      600
gttgatgtta actgttacta ttagttgtat gtcacaatag taataataag ctatctttca      660
cataagaaaa tattgctctt gatccatcac caaagtgtgt gtactctgaa ctgtatcatc      720
aggagagggt aaaggatttg ctcagaacaa ataaaaaacc tctccctatt atgaccaatg      780
tttttaatat aaatctcata ttttggcttt aaagtaagggt gcttggcttt cattcataat      840
ctatttccac taaaaatata catttgctta tggttccact aatatcacia ttagtttatg      900
agatgttgga gatcttgtaa tactccagga agaggttatg gaaaatttca taaaggaagt      960
cccactggaa attaaagtaa acttttaatg catatatattt aaaaattcac tttccatttt     1020
actatttttaa agtgcattga aaattctttt ccattttttg gtaggttaatt aatttgaaga     1080
agggaaaatac aatgcttttac tattactacc aacaggattt tacacaagaa acattagtaa     1140
cttaagctgt ggatcctgtg aatgtacaac tgacacagat tttgtaaatc catactgggc     1200
ctggaactta tggtgattat aaaagtcaaa gggtaatttt cttttaaaga tatattactt     1260
ataaaaatatt cccgaagtat gaattgtgct ttttagtttag gatatatgat ttaaattgat     1320
gcacactgca gatgaatgtt taccctgtct gtagatttaa agaacagcat agatatctca     1380
agaaccccaa ataaaaattaa tttttccctt ccttgataaa ctcttaagg atttacatca     1440
caaagctaata caagaaaccc tctactttta ccaagcagtt tgtaaaagta agtagcagga     1500
tacagaaatc ctcaaaccta tatataagga aaattaaatg acttttccct ttaggtagaa     1560
gtccagcctc tcaaattgca tttgagaatc aaagttttaa ctgttggttg agactgtgga     1620
ttgaggatgc actgcttttg agtttctcag taactgtatc ttctttcagt gtggttttga     1680
taacttcaga tactccattg gttccaagga tgcaaggcaa acttaaaaac acttcactat     1740
ttatatcata atatcccttt gctaaagctg atacagaatg gactttcttc ttattgttta     1800
caatactgtc aaccatgtca gctactgata gtccaacaga ccaggatctt tgacctttta     1860
ctcttagcag ttccatggct ctgttgga gctgcacttg agaggatga ctactactt     1920
cttcttggcc actccatgtg agcactttgt cttctccttg ctgcgaata acccatactt     1980
ctttgacctga agtctgtgcc ttcaaaacat ttgtaataat atactgtaat ctctgtgaat     2040
ccagattaca tccaattccg atcactcgat ttgcaggaaa tgtactcagt ttccatgtta     2100
cataggtcat gatttccact gggtgagatg caacgagcag gacactgtgt tgactataat     2160
gtcccagagc tgggacaagg gctctgaaca tatccacatt gctctgtacc acatcaagggt     2220
acgactgaga actacccaaa gagttgactg tgaagatcac caccttgga tgagcagagg     2280
cagacaaatc tttgctgatc tccacattag gaaggttgaa gatttcaagg tccatcgtgg     2340
ctccttttagt cccttctgag aggtctaaga ggacaagcct gtctgcaata ccctttgctg     2400
aaattgctaa tgtgcaggca ataccgagtt ctccacctcc aaccacagta attttattga     2460
ctgttttgaa ttccaccaca gggactacgg tctcgaggtt nagcccc      2507

```

<210> 4748

<211> 2375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1650)...(859)
 <223> similar to gi414111 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4748

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gattaagttc	acaatttgat	ttgtagacta	atggttttat	tgattcaaag	tatctttaaa	180
gagcagaaat	agaaaacaag	catacaccac	acacaccctt	ttagtttaag	tgatatatca	240
gatcaaagtt	gaattaatat	aataatcttt	agtgccttta	attgtattgt	ttgttttcag	300
tagaccaatg	aaaatacata	gatccaactg	cagaagaggt	taggtaatgc	cggaatgatt	360
ctctatcata	tcggtgtttt	atttccaatt	atacagataa	ataagtgatg	ttgaaatcca	420
tgctattttct	atcctcaaaa	taagataaat	gtatggttac	attctagcat	ctcatcaaga	480
gtcatcatga	aacaataata	tattttactac	ttttgcaaaa	taatatataa	tagactccca	540
caggctataa	agtttactta	attaattttg	gtaatgtggc	actttacaat	ggcttttggg	600
tcatatcata	ctctgttgct	gctactacta	ataataataa	aataacagta	aatgtaaaaga	660
agaaaacaaa	agaaaataaa	ttagatcact	tgatagttct	aaatattgtt	ttggtttatc	720
cttgaactgg	aaatcaattc	tacatgattt	ggaaagaaaa	caaacacatc	tttataattc	780
agagtgtgta	ttttgaaggt	gtaatatgat	ttatccaatg	ccagtgtggg	tttgtcatgt	840
tctttttatt	caatgtcaac	tggttccgta	gctattaaag	cacttaactg	tttctgtgca	900
caggagagga	acagttccaa	actggacagg	cttctttggc	ggatgacttg	atcgagcctt	960
ttctgttctt	ttatatactc	tatcaattca	tctcttggtc	ttttcactgc	ctcttcacac	1020
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tttctttggt	cttgatatgc	tttttgaatt	tcctgagata	ctttttcttg	atcttttgca	1140
tgttctgtct	tccataattc	cctttcttca	gcatgcgctt	tttctaaatt	ttttctttct	1200
tcttctacga	cttttaaaac	tgcatccttc	attgcttctt	tttcaagctt	tgcagcggat	1260
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tgttcttgag	attgctgaat	caaagcttcc	tttatttttt	cttttaacag	ttccttctct	1380
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cgccgctcac	ccacgctgcc	cggtgagcca	ccccagcac	acagaccctt	acgcgtacac	2280
ccgaggcacg	gccccaggcc	cttgagggga	gaccgcggcc	cagccacaca	ggttggggta	2340
gcccacgcac	cacccggcct	cgaacaccta	cgaaa			2375

<210> 4749
 <211> 2528
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2529)...(973)

<223> similar to gi5565866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4749

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gtcttggctg	ttgggatgat	aattcttttg	ggtgagggga	acagccgtgg	tcaaggctgc	180
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acctcaacgg	gcaaaaggcc	ttccatcttc	agaagaggct	tgtgaggacc	atcggttgat	360
gacctcctag	tgaattctgg	ctcccattca	gagcacagag	aaacccacaa	aaggggcttg	420
tggctctggt	tccaggtctc	aagggtacag	cttggttaca	tccccaggcc	ccaggctgat	480
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gcccaatcca	ctctgttttg	gtttagaatg	aagttttttt	tttaattatt	tttcttgga	780
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gattcaaaaa	tagtggcaat	gttgacaaga	aaagaagtat	tgaagccttt	ggggatggtg	2040
acgaggtctt	ccccaacgaa	gcccgtccag	cttccttggtg	tgtacttcac	tgtgacgtca	2100
aagcccttgg	agcggtatgt	gctagacctc	tctgtgtcaa	agtacgtgtc	tatgtaggag	2160
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actacgcggt	tcggtggccgc	ggccacccgg	aggggcagcg	tgaagggcgc	gggggccagc	2460
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gcgccccat						2528

09433723E "012100

<210> 4750
 <211> 1734
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(476)
 <223> similar to gi4884148 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 ctatgggttt gagaatggcc agaaggctgc tgtggtacac cacttcgaat ccttccctgc 180
 cggctccact ttgatcttct ataagtattg tgatcatgag aatgctgcct ttaaagatgt 240
 ggccctggtc ctgactgttc tgctagagga ggaaacatta gaagcaagtg taggcccaag 300
 ggaaacggaa gaaaaagtga gagacttact ctgggccaaag tttaaccaact ctgacactcc 360
 cacctccttc aaccacatgg actcagacaa attgagtggg ctgtggagcc gaatttcaca 420
 cctggtactg ccagtccagc cagtgcagtag catagaagaa caggggtgcc ttttctaaag 480
 ctaagcacag agttggttac agaaggatata tgtttatgaa aaagtttggt taaagacctt 540
 ccatattat ggaaggaggt tgataaaata gcttgaggaa atagcctgaa aaacaaagat 600
 gagcttatct tagaaacaag tttttatatt ttattccttg taaaatcttt ctaattctaag 660
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 gatactctta cttcttagag taactacaga gtgatttttt ttttttcttg agggagactc 840
 tgaaaaacct tttcgataat gtttggaactt ggactaaagc aattagaatt atgaagcaat 900
 gataaaccttt aaaaaatttt tctatcacat gttgaatatt ttcaaacctt actttaataa 960
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 aaataagaat tcaaaccatt aagtacctac cttaaatacta catgtaaggc actgtgcttt 1080
 tattttcattc agctgaggta taagcagctg tactcaaatag ttcttaaaaa tgagaaccag 1140
 tggggaaatt gtttataatc attggaaatg aagaaattcc aattggctat atctttactt 1200
 cagcttttct tgaacaattt acagcattga ttttcaaact gtgtctactg gcacccttcc 1260
 cctttgtatc agagcagttc tgcttttaac tgttttatat gttgggggttc tctatgagat 1320
 ttcatgggaa caaagagttt cactgatatt cgagtttgaa aaccattgat taagtgaaaa 1380
 aacatcttag aagataggaa atatgtttta aaaatgaatg tattaatatct tatgagtagg 1440
 gaagatgaaa tacaggttta ttgtatagat acattattta tgaaggataa agagcctata 1500
 catgaacagc cagaatgtat aagcctaggc atttactagc catgtctctg atgcttttgt 1560
 tcatttctgt taatcgtcat ttctgtcccc tctgcatgga attttatact tgtctagggt 1620
 aagagtttgt agactctttc agcagaacag attttaataa ccaatttatt tgttttattt 1680
 taaaaattta tttttgaata accaatttaa tagtaaattt tatatgaaca aaaa 1734

<210> 4751
 <211> 3070
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (173)...(852)
 <223> similar to gi3877428 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4751

ttttttttttc	cctttcccag	tttgactttt	gccatctaga	gtttgtaa	taagtgg	60
gatctgatct	agcttccttg	agaggtgcct	tacttcaaaa	gttctcagac	tgaaaaaaaa	120
ttcgccatt	ttttcaaatc	tttgatgggt	tcatttcgaa	tgtttttagtc	tttgctcagt	180
ctggattccc	ttgctgtctt	cctgtagccc	catctgtgac	ttcctagaac	tccagcgccg	240
ttaccgcagc	ctcctgggtcc	cctcagattt	tctgtccgtg	catctgagtt	ggctatcagc	300
cttccccctg	agccagccct	tttccctcca	tcattccaagc	cggatccagg	tctcttctga	360
aaaggaggca	gctccagacg	ctgggtgctga	gcccactact	gcagacagtg	accccgctta	420
tagttcaaag	gtactgctgc	tctcttcccc	ggggttgag	gaattgtatc	gttggtgcat	480
gctctttgtg	gatgacatgg	ctgagccaag	ggagacgcca	gagcatcctc	tgaagcagat	540
taagtttttg	ctgggcagga	aagaagagga	ggcagtgtg	gttgggggtg	aatggtctcc	600
ttccctggat	ggcctcgacc	cccaggctga	cccgagggtg	ctgggtgcgta	ccgccatccg	660
ctgtgcgcag	gcccagactg	gcattgattt	gagcggctgt	accaagtgg	ggcgctttgc	720
cgagtttcag	tacctgcagc	cgggaccccc	ccggcgctt	cagacagtg	tggtgtacct	780
gccggatgtc	tggaccatca	tgccactttt	ggaggagtgg	gaggccctgt	gccagcagaa	840
agctgcagag	gcagctcccc	caaccagga	ggcacaagg	gaaacggagc	ctactgaaca	900
ggcacctgat	gccttgagc	aagcagcaga	catttctaga	cggaaacgag	aaactccaga	960
ggccaccaca	cagcaggaaa	cggacactga	tctcccagag	gcccctccac	ccccctaga	1020
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toggaggcca	aaggaaagga	tctcttttga	ggtgatgggt	ctggccgagc	tgtttctgga	1140
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ggaagaagcc	atcaaagagg	aggtgggtcaa	ggagcccaag	gatgaggcac	agaatgagg	1320
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tgggaaaagc	acgaagccag	gtgctgcccc	cacagaacac	aaagccttgg	tgtcccacaa	1920
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gctctacct	gagaacaaga	tccacacact	ggagctgaag	ctggaggaga	gccataaccg	2040
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ccggctggcg	gaggccgagg	agaccgccc	gacggcgag	cgacagaaga	gccagctcca	2160
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tgtgaggaac	cccggttcca	cttaacaact	aaatacaaca	tcttttgac	ccctagaatg	2520
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aaggtctgat	gtcagtgaac	ggaattgaag	agcaagacat	ggagcctggc	tggggctaag	2700
cagccccctc	ctcggatgg	cacaggctct	gctaggttcc	ggacacaggc	ttctggggga	2760
agggtctccc	ttggccatca	cgggaatgga	gtccatgcta	gaaagagctc	agtgttgggc	2820

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tgggtttgcc agtagaacac tgcgttccag tcaccccggt cttgccagaa gaaaccagca 2880
cctctttccc gtggctcctg tggttcagaat gtgggtattgg ctctggccca gcctttctccc 2940
ctgttaccca taattcttgc ctctttccat aatccgtggg ttcagtttga ctttgtatat 3000
aaagttgggg tttttttttt ttttttgggc ttgtttttta aataaaccaa agtcaaaacc 3060
aaaaaaaaaa 3070
```

```
<210> 4752
<211> 1927
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1928)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1608)...(1490)
<223> similar to gi5817244 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4752
tttttttttc aatgagaaga taatttttaa agtggatgaa attgaaggtg catgtaacat 60
tatcacagat ttaaaatcat gcatattctc cataaaactt ttcaaatgca gttaaacaca 120
cacacacaca cacacacaca cacacacaca cacacacaaa accaagcaat tataagtcct 180
ctgaagcatg taactgtgat tagctgtac tctcagcaat ataaaaatac tttcaccaca 240
attacattcc agcctgtaat gtaattcaaa acaaacagt cagagacatc gctcaaataga 300
cagaaccaac aaatacagat gctttgcatc aaggaaatga atctactgaa gaaatgcaac 360
tgaggagcag cagccctcc agggcctgga gctgagcttc tgggtggaacg gcgaggcccc 420
cttctgggca gaggcacaca gtgcgcccag agggctgtgc aaagctgccc tgtagtcatg 480
gaggtgaact ggggacttcc tgctgtggat accctttcca gtgttgtgtt caaaatttta 540
catttttagat tttaaattta ttatatggat tataaaagaa ataaccattt gtttcagatt 600
aaattgatca ttctattttt cagtcagcat tctcaccacc aaatggcacc tatccccttt 660
accctgtgtt ccttatgctt tttgccataa ctcttattgt cctccaataa actgtgtaat 720
ctatcatatc catctccctt tgctagaata taagctccat gaggggtggga taatttggtt 780
ttttgctcaa taacaattgt cccatttatg tctttatctt ctaagactat tcatcttcaa 840
ataagacata aataagggtt tattatagca atatgctata atttttaagt gacaactcaa 900
gcacttggtt taaaagtatg cattttttct aaatgcttta taaaagcaaa gtcttttcta 960
aggaccatat aattatggtc tctatatata caacttatat acaattttaga gagaagtcac 1020
agccccagt gccctggaag aacatcgtag ctgcaaaaaa tgaagaatct gattctgaaa 1080
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gctagaaggg tatgcaactt ttgctaattt ctaaaacctc aaaccttaat tttcccccat 1260
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aaaagtgcta atttgttccc ttaacagagc aaatgatgag agacaccatt ttctgcaga 1380
ttaaaaacaa tatataaaca tatgattcaa cgatgtcaac agctttcagt ctatgaatct 1440
tgtccaggtc actttgggtc acttgggttct ttcacagaa catgttcaag atttctgaca 1500
ttccttttcc cgaactttcg attttgggtgc atttggattt tcttgtttgt agaaggtctt 1560
taacatttcc actgcttcc cagcccagata tccagggata cagtgggatg agagcagtg 1620
```



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<400> 4754
atggcgcttct ggggttggcg cgccgcggca gccctccggc tgtggggccg ggtagttgaa    60
cgggtcgagg ccgggggagg cgtggggccg tttcaggcct gcggctgtcg gctggtgctt    120
ggcggcaggg acgatgtgag tgcggggctg agaggcagcc atgggggccg cggtgagccc    180
ttggaccccg cgcgccccct gcagaggcct ccagaccgag aggtgccagc ggcatcccg    240
aggcagccga gggcagcagc tcccagtttc ttcttttcga gtattaaagg tggaagaagg    300
tccatatctt tttctgtggg tgcttcaagt gttgttgaa gtggaggcag cagtgacaag    360
gggaagcttt ccctgcagga tgtagctgag ctgattcggg ccagagcctg ccagaggggtg    420
gtggtcatgg tgggggcccg catcagcaca ccagtgga cctttttca cgtaccccga ggccattttt    480
gggagtggcc tgtacagcaa cctccagcag tacgatctcc cgtaccccga ggccattttt    540
gaactcccat tcttctttca caacccaag cctttttca ctttgccaa ggagctgtac    600
cctggaaact acaagcccaa cgtcactcac tactttctcc ggctgcttca tgacaagggg    660
ctgcttctgc ggctctacac gcagaacatc gatgggcttg agagagtgtc gggcatccct    720
gcctcaaagc tggttgaagc tcatggaacc tttgcctctg ccacctgcac agtctgccaa    780
agacccttcc caggggagga cattcgggct gacgtgatgg cagacagggt tccccgctgc    840
ccggtctgca ccggcgttgt gaagcccgac attgtgttct ttggggagcc gctgccccag    900
aggttcttgc tgcattgtgt tgatttcccc atggcagatc tgctgctcat ccttgggacc    960
tccctggagg tggagccttt tgccagcttg accgaggccg tgcggagctc agttccccga   1020
ctgctcatca accgggactt ggtggggccc ttggcttggc atcctcgag cagggacgtg   1080
gccagctgg gggacgtggt tcatggcggt gaaagcctag tggagcttct gggctggaca   1140
gaagagatgc gggaccttgt gcagcgggaa actgggaagc ttgatggacc agacaaatag   1200
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acaagacctc atgcctgaag acagcttggg caggtgaaac cagaatatgt gaactgagtg   1320
gacacccgag gctgccactg gaatgtcttc tcaggccatg agctgcagtg actggtaggg   1380
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cctcttgaac tgaatcagac caactggaat ccagaccga gtctgctttc tgtgcctagt   1560
tgaacggcaa gctcggcatc tgttggttac aagatccaga cttgggctga gcggtcccca   1620
gccctcttca gtgtccgaag tgtagtcttg aggccctggt gccgcacttc tagcatgttg   1680
gtctccttta gtggggctat ttttaatgag agaaaatctg ttctttccag catgaaatac   1740
athtagtctc ctcaaaggga ctgcagggtg tgacatgagt tggaaaggga accctgggat   1800
acgtggcgtc ccctctattg gaacagtctg aggactgaag gcatttgtcc ctggatttat   1860
tgagagcggc ccagctcctc cctctgaagg tggtcacatt ctgttgactc tccatactca   1920
gcctctcctc cagaaacaga tctgttccag aacattccag cactttctat ctaaaatcct   1980
tgtccccaca ctacgcccc ctgtatt                                     2007

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<210> 4755
<211> 1420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(671)
<223> similar to gi4884180 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4755

gaccacactc	cagaaggagc	tgtatgactt	tgctaaggaa	aatataatgg	atgatgatga	840
gggagaagtt	gtggaatatg	tggatgacct	cttggaactg	gaggagacca	gctagcccac	900
agcaacccaaa	gagacttcct	cttggcggtc	aggaaacaca	gattctttgt	ccttttccca	960
acagcccagg	ctgttgatac	ctcagagcct	tctctttact	ctccaaagtg	aaaggggaagc	1020
ccccgtctct	ctaactgcat	gtcatcaggg	gtgagcctgc	ctttcctatc	ttcacacctg	1080
ccacctcatg	ttcacaccta	tctttctcac	cttttttttg	agatggagtc	tcgctctctt	1140
gcccaggctg	gagtgcaatg	gcacgttctc	agctcactgc	aacctccgcc	tcttgggttc	1200
aagcaattct	gctgcatcag	cctcccagag	acctgggatt	acaggcatgt	gccaccacgc	1260
ccggctaatt	ttgtattttt	agtagagacg	gggttttgcc	atgttggcca	ggctggtctc	1320
gaactcttga	cttcagatga	tccatctgcc	ttggcctccc	acagtgtctg	gattacaggc	1380
gtgagccacc	atgcccggcc	tctttctcac	ctttacacct	gtcttcttat	cctcacatct	1440
gttttcacac	cttcacccct	gtcttctcca	tgttcacact	tgtcttcccc	atgttcatag	1500
ctgcctttct	taccattttg	gtttgaaggg	cagtcttctc	tggcttgttt	ttttgttttt	1560
cccagaaaaat	cagtattatt	ttttaaataa	gaaaaacatt	cctagaaaaa	aaaaa	1615

<210> 4757
 <211> 2209
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2208)...(1319)
 <223> similar to gi2734081 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4757	
tttttttttt	ttgtattcaa
aactggtctt	aagaaagcag
atgctatttg	gatttgataa
caaaaaccag	atatttcatt
gtgtaaaggc	taaaaactga
tatgttttag	tcacagtgct
gaaaaataaa	tccacaggaa
tgtggttg	catgttttca
acaaaagaag	tctccatatg
aatgaatgac	tagcgctgtg
ctcttagttg	tcccagaggt
tcttgccaac	ccccatccag
aaacactgag	gtggggaggg
acttctacca	ggaatgagcc
accttcattt	tgacaggagt
ggcaaagtga	aaaatagaaa
cactttaacc	ttggtgagtg
tgcatgtgtg	tgaacgtata
attcattcct	ctagcagagt
tcatcatttc	ttggatgcta
tactacttta	atattcctac
catcagtgtg	ctttccagag
atatttgggc	ttccatggtg
tcgaaataat	atattgtctt
caaaaaggca	caaaattagt
atattggagt	ggcacagtaa
ttttccttgc	tttgattttt
aaacttaactg	aaacatgga
gtttggggtta	accagagagg
ctttcccca	actaaatata
aaaagaagca	acttctcaaa
aactccttgg	tgggccttgg
ggcataaatac	tttaacagct
ttcttgggcg	cggacagaca
ttgaaatgat	aaccacccat
tgatcggggcc	atgccagttc
tgtgagtgtg	aaacattttt
aaaaggagct	tatgattacc
atactcagat	gtttacatag
cccgaatggc	tcttgaataa
gtatataatt	tctctctctc
ccaacaaaac	cctgatactc
cctccaaccc	1260
ccatcgccct	cctggataaa
cgttcctcca	cccgttgctt

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ctcctccagg tgccgcttct gctcgggtggc tgcgtcaatg tccccagcc gcaggatatcg 1440
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cttcttggga tacactggca gtgtgggtgt gtcgatgact ttggtttctc cattgttgta 1560
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gaatatcact gtcgctgagt acccagtcctt ggcacagttg atgctgactt ttcctccgag 1740
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ctcctccccg tgttccagga gcctcaacac accttcccct atcatagaga ccccccacgga 1860
catgcccacg aacttgcttt tgggtccatac atgagtgttg acgcacagtc tcttctcctc 1920
gcactcacag tagaagcagg agatgggtgg gtgatgggac acttgctcag ccacaaacct 1980
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tgtctcgct atgatgggt tgtagggtt cttggctaaa gcgccttgc ggccctcgtg 2160
aaaggctgtg agataatact caacgaagca aatgactctc tcctctggt 2209

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```

<210> 4758
<211> 1314
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(1315)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1294)...(532)
<223> similar to gil293145 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4758
ctctcccaag ggggtttaaat tgggggcccc ccgggttttt ccccccccc ggtgttttaa 60
ccccgcccc ggaatttatt tttggggccc ccttaaaaaa aattttcctt tcccccccc 120
gggcgttaaa attggttctt tttaaaggcc cccccctttt ttttttttg ctgttaaata 180
actttaatgg ttgatgtggg agtcacaagg gaggtatgtt tgctccaagg gttcttcagt 240
gccatcctca aagctgggta gtgcaggagg gtagggcaga gttggttcca gttttcttcc 300
aggaagggtt tagggagggt ccagcgagcc ccaggaatga gtccctcggg accatggcaa 360
ccacaattta agaggggctt ctgcccaccc ctgcagccta cccaggtcc agcagaggaa 420
caggaggcca gactggccaa cttgctatag acagcgccgt atccagagcc caactgcgca 480
tgggtcattt tctcttctgg gcagatccta tgccagcacc tttctctctc acactggtga 540
ctggagccaa gtgcgagggt ggcccttgcg gcagaggcct ctggtccgtg gggatcgctg 600
aggtgggagg ggggcaaccg agcgagccct aggggagtggt tctgggggga cagcatccag 660
ggaaaagggt cggggtctcc cccagggcag ggggtgggtc cagtctgggg ctggggccac 720
tgaggcaggc gagcaggggt taggcagggc aggtgtgtct gtaaacattg ccagccaggg 780
tgggggtgtc tccagccttg cgccctcccg ctgggtcagg atgtctgtca ccgtgcgat 840
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gggtggtttc cggggagcag gaggttcaat tttcatgatt tcatcacagc actgttcca 960
ttggctcatg tcaaagaaaa gctgccacag agcctccatc cagctctgca gtgcttccc 1020
actttctgtc tgaagggtgt gtgtcacctc atcatcccca tactggttac tgatgcttag 1080

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ggtgaagggc	cgtcctagag	cctgggtccag	ctccccctgcc	cggactcgag	tctccttggt	1140
gacagcaata	gtaagcagcg	gctcttcccc	agtgtctgca	tcctcagggt	gccggtaaca	1200
gaagagggtt	gtgcctttca	gaactccatg	cacttgtgcc	cagttctgca	tctccccagc	1260
ttgctgcacc	ctgagggtac	cacttgcagt	ggggaattnn	nnnnnctgga	ctag	1314

<210> 4759

<211> 804

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (51)...(519)

<223> similar to gi3876146 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4759

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tctacaagg	actcggggcc	acgtgctca	gggatgtccc	cttctctgtg	gtgtacttcc	180
cgctctttgc	caacctgaac	cagctgggccc	gcccggcgctc	cgaggagaag	tcgcctttct	240
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gggcagggtg	cagggtccac	ataggtggtg	cacacgcaag	ccccccgggg	tgtgtcctgc	720
accgttggga	tcaatgtctc	atztatgtag	aaaatgcaga	aatctttaca	ttcctcaagc	780
tagcccctgc	cccaatcctg	ccct				804

<210> 4760

<211> 1342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1343)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (3)...(559)

<223> similar to gi34339 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4760

```
gggtcacctg caactgcacg gatggccggg tggcccccag ctgtctgacc tgcgtcggcc 60
actgcagcaa tggcggctcc tgtacatga acagcaaaat gatgcctgag tgccagtgcc 120
caccacacat gacaggggcc cggtgtgagg agcacgtctt cagccagcag cagccaggac 180
atatagcctc catcctaate cctcnnnnnn nnnnnnnnnn nnnngttctg gtggccggag 240
tggattcttg gtataagcgg cgagtccaag gggctaaggg cttccagcac caacggatga 300
ccaacggggc catgaacgtg gagattggaa accccaccta caagatgtac gaaggcggag 360
agcctgatga tgtgggaggc ctactggacg ctgactttgc cctggaccct gacaagccca 420
ccaacttcac caaccccggt tatgccacac tctacatggg gggccatggc agtcgccact 480
ccctggccag cacggacgag aagcgagaac tcctggggcg gggccctgag gacgagatag 540
gggacccctt ggcatagggc cctgccccgt cggactgccc ccagaaagcc tcctgcccc 600
tgccagtga gtccttcagt gagccctcc ccagccagcc cttccctggc cccgccggat 660
gtataaatgt aaaaatgaag gaattacatt ttatatgtga gcgagcaagc cggaagcga 720
gcacagtatt atttctccat cccctccctg cctgctcctt ggcacccccca tgctgccttc 780
aggagacag gcaggagggg cttggggctg cacctcctac cctcccacca gaacgcaccc 840
cactgggaga gctgggtggtg cagccttccc ctccctgtat aagacacttt gccaaaggctc 900
tccctctcgt ccccatccct gcttgcccg cccacagct tctgagggc taattctggg 960
aaggagagat tctttgctgc ccctgtctgg aagacgtggc tctgggtgag gtaggcggga 1020
aaggatggag tgttttagtt cttgggggag gccaccccaa accccagccc caactccagg 1080
ggcacctatg agatggccat gctcaacccc cctcccagac aggcctccc tgtctccagg 1140
gccccaccg aggttcccag ggctggagac ttctcttgtt aaacattcct ccagcctccc 1200
ctcccctggg gacgccaagg aggtgggcca caccaggaa gggaaagcgg gcagccccgt 1260
tttggggacg tgaacgtttt aataattttt gctgaattcc tttaacacta aataacacag 1320
atattgttat aaataaaatt gt 1342
```

<210> 4761

<211> 1235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(475)

<223> similar to gi2981229 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4761

```
ggccatcatc tccggcatga acatgagccc tgtctccagg ctgaagaaga cctggggccaa 60
agtgaggacg gccaagtttt tcatcctcga gcaccagatg gacccaacgg ggaatttctg 120
caactacagg acagccctgc gcggggcggc ccaccgctcc ctgacggccc acagcagccg 180
agagaagatt gtcattcctt tcttcagcct gctcatcaaa gacatctact tcctgaatga 240
gggctgcgcc aaccgccttc ccaatggaca cgtcaacttt gagaaattcc tggagctggc 300
caagcaggtg ggggagttca tcacctggaa acaagtggag tgtcccttcg agcaagacgc 360
cagcatcacc cactacctgt acaccgccc catcttcagt gaggatggtc tttatttggc 420
ttcttatgaa agtgagagcc cagagaacca aacagaaaaa gaaagatgga aagctctaag 480
```

```

atctttctatt ttggggaaga catgaaagcg ctgagctgag ggacgaggaa gagctggagc 540
ccgcagaagc cgtccacagc cctgcctcag tggcccagtg ggcagaggcc agggagtgcc 600
tcactatttt gcaaattgccg accctgtggc ctgctgcccg cccccccccc cccacaggg 660
gccatacggg cacaggaaac cttttatggg actttggccc tggcaggacc cagggcctcc 720
aaacgtgcgg gcggcacatg ccttggggac atcctgcctt caggaccggg gggcctggtc 780
agtctgtcca tcctcggaac ggacacaaca ctgccccaaa gggggggacc actgcaagct 840
cgagaccttg cttggtgaca tgtgccactt tggccaccac ccacagtctg tcaccacgtg 900
gcttggaac ttctggagcc acagcaggca tcacggtgcg acgtgagatg cctgcgccag 960
ccccgagccc actggcagcc actgccattc caccatggt ccctcacctt gccctgccga 1020
cgagcttgct tctgcagccc caggtacccc ctctctggat gctgctggcc ccaggagata 1080
gctttccggt gacagctgtg gaacgcgtca gcaggacaaa ctggacacat ggagttacag 1140
tgtgtacacg gcagtcctgc caccagccc ccttgtaaac tctagtcact ataaacacac 1200
ccgtacgcct atccatgtcc accccaaaaa aaaaa 1235

```

```

<210> 4762
<211> 682
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(683)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(407)
<223> similar to gi5640017 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4762
cccatcgga cactattcag tgtggcgga ttcctcgtgg aacatcagag aagccacact 60
ggagagaagc cctatgaatg caatgactgt ggcaaagttt tcagccaaag cacacacctc 120
atccagcacc agagaatcca cacaggagag aagccctaca agtgcagcga gtgtgggaag 180
gccttcacac acagttccag actcatccac caccagaggc tgcaccacgg agagaaaccc 240
tacagatgca gcgattgcaa gaaagccttc agccagagca cgtacttgat tcagcaccgg 300
aggatccaca ccggggagaa gccctacaag tgcagcagat gtgggaaggc cttccggcac 360
agttccaaca tgtgtcagca tcagcggatt cacctccggg aggacttctc catgtaacag 420
tggcgcggtg tccgagggca gagtccagct gagcacttcc tgcattgcgc cccggcacct 480
gactctgccc tttatgtatt atccacacga tgttttcaca gagtgaagg acgtttctca 540
ttaaacaaac ctcttttctt aaatcaaaag cagtgcattg tcattntaga gaaattgaga 600
caganaagtg ggcaaaaaag aagcttctgt gatctctccc acttagaaaa aaaattcatt 660
gctgctgatt tacgaatatt tt 682

```

```

<210> 4763
<211> 697

```

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (699)...(146)
 <223> similar to gi3329425 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4763

tttttttttt	ttaaaactaa	aacatttgga	ggtaaagaat	gtttctcctt	ttgcttttagg	60
aagtgactag	gtttctagaa	atgctgtcgc	tttttttttt	tcctacctca	ggacagcctt	120
tgtcactgag	gattttctagg	gttagggctt	cacaggaagc	gtctccttga	acccagagtg	180
gttggttg	gcttctggca	gtgccaccga	gtactcagtt	gtggcaaaaa	gcaggggtgc	240
caggggtggtc	tcagtacact	tggcgatgaa	gcgaatgaaa	ggcctcacgt	cgccctcggt	300
ggcagcttcc	aacacgtggt	agtagtcgga	ccgctgctcc	ttgcggatgg	tgatgggcgg	360
gtagcccgcc	tgcattgagga	tgaggttcat	gagcagacgg	gaggtcctcc	cgttgccatc	420
aatgaaaggg	tggatgtaaa	cgagtttata	atgggctaag	gctgcaaact	ccactgggtg	480
caggttcatg	gcttcctcgg	agttgagcca	ctgtacaaac	tcctgcatct	gcttttccac	540
atcctgcgga	tggggagggga	tgtggtgtcc	gaccaggacc	tgtgtgtgcc	gaaacctgcc	600
ggcttccacg	gggtccacgt	agcccagcac	ccgcctgtgg	atctccagca	cgtcgctgat	660
ggtgacggag	ccgatgcgcg	aaaccagagt	cgtgttg			697

<210> 4764
 <211> 2084
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(1654)
 <223> similar to gi3327206 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4764

gcgaggcggg	gccgccgggg	ccgccatgga	gcccgcactcg	gtgattgagg	acaagaccat	60
cgagctcatg	tgttctgtgc	caaggtcttt	gtggctaggg	tgcgccaacc	tggtagagag	120
catgtgcgca	ctgagttgcc	tgcagagcat	gcccagtgtc	agatgtctcc	agataagtaa	180
tggaaacatca	tctgtgatcg	tctccagaaa	gaggccatca	gaaggaaact	atcaaaaaga	240
aaaagacttg	tgtattaaat	attttgacca	gtggtctgaa	tcagatcaag	tggaaattgt	300
ggaacatctt	atttcacgaa	tgtgtcatta	tcagcatgga	catattaact	cttacctgaa	360
gcccattgtg	cagcgggact	ttattaccgc	tttaccagag	caaggcttag	atcacatagc	420
agaaaacatt	ctttcgtacc	tggatgccag	gtctctgtgt	gcagcagagc	tggtatgtaa	480
agaatggcag	cgagtgatct	cagaaggaat	gctttggaag	aagctgattg	aacgaatggt	540
acgcactgat	cccctatgga	aaggactttc	agaaagaaga	gggtgggatc	agtacctgtt	600
taaaaacaga	cccacagatg	gccctccaaa	ttcattttat	aggtcattat	acccaaagat	660
tatccaggat	atagagacta	tagaatctaa	ctggcggtgt	ggacgacaca	acttgcagag	720

```

gattcagtgc cgctctgaaa atagtaaagg tgtctactgt ttacagtacg atgatgaaaa 780
aattatcagt ggcctacgag ataattctat taagatatgg gataaaacca gcctggaatg 840
tttgaaagtg ttaacaggac acacaggctc tgtcctctgt ctgcagtatg atgagcgtgt 900
cattgtaaact ggctcttcag attctacggg gagagtgtgg gatgtgaaca cgggtgaagt 960
tcttaacaca ttgatccacc acaatgaggc tgtattgcac ttacgcttca gcaatggact 1020
gatggtgacc tgttccaagg accgctccat tgctgtgtgg gacatggctt ctgcgaccga 1080
catcacttta cgccgtgtcc tggttggcca ccgggctgcc gtcaatgtag tagactttga 1140
cgacaagtac atcgtgtctg cctctggtga caggaccatc aaagtctgga gcacgagcac 1200
ctgtgaattt gttcgtactc tcaatgggca caagcggggc attgcctgtc tccagtacag 1260
ggatcgcttg gttgttagtg gatcatcaga taataccatt aggctctggg atattgaatg 1320
tggtgcctgt ttaagagtcc tagagggaca tgaagaattg gtccgatgca tccggtttga 1380
taacaagagg attgtcagtg gggcctatga tgggaaaatt aaagtgtggg acttgcaagc 1440
tgctcttgac cctcgagccc cagcaagcac attgtgtttg cgcacattgg tggaaacattc 1500
tggacgtgtg tttcggctcc agtttgatga gtttcagatc atcagcagct cccatgatga 1560
cactattttg atttgggatt tcttaaatgt gcctccagtg gcccagaatg agaccggtc 1620
tccctccaga acatacactt acatctctag ataacagtct gcactttcac ccgtttcagg 1680
gttttctagt cttgaactac tgggtacggg gctaccaaag gcctaaggga gttcgttcac 1740
agctgagtta tgaagctgga attggttcta gacgctgggt agatgcaaag cagcctaact 1800
cttcaagtac cgacatttct cacctctgat tccggctctc ctttgagaag gagaccttag 1860
cttccccggc ttcaagtaga acagaagccc gtttcttccc ctcatcagag aaaaaatcta 1920
atgtttcaaa tgtaaattgt tcatagaaaa ggaacataga atctgtttta cagaagtaaa 1980
tcgaccgtca ggagaagact tggcctctaa tttatattgc tttgcacttt ggtttgatat 2040
taagaaacag cattcttctt cagtgaatgt ttgggggtgcc aaac 2084

```

<210> 4765

<211> 904

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (23)...(906)

<223> similar to gi4490506 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4765

```

accattagtc cagtgcggtg gaattcgcag cacctaccct cctgaaatag tggttcctaa 60
atctgttacc ttgggaacgg tggttggaag ttcaaagttc agaagtaaag aacgtgtccc 120
tgtgctctcc tacctctaca aagagaacaa tgctgccatt tgccgctgta gccagcctct 180
ctctggattt tacactcgct gtgtagatga tgagctcttg ttggaggcca ttagccaaac 240
aaaccagggg agccagttta tgtatgttgt agacacaaga ccaaagttga atgccatggc 300
caaccgagca gctgggaagg ggtatgaaaa tgaagacaac tatgccaaca ttcgcttcag 360
attcatgggc attgagaaca tccatgtaat gcggagcagt ctgcagaaac tcttggaagt 420
ttgtgaattg aaaactccaa caatgagtga atttcttagc ggcttggaag gctcaggggt 480
gttaagacac attaaagcta ttatggatgc tgggaattttc attacaaagg cagtgaaggt 540
agaaaaggcc agtgtcttag tccattgttc tgatggatgg gaccgcacag cacaagtctg 600
ctcagtggct agcatcctcc tagatccatt ttataggaca ttcaaaggac tcatgatctt 660
gatagagaag gaatggatat ccatgggcca caagttttcc caaagggtgtg gccacctoga 720
tggggactct aaagaagtgt cccctatctt caccagttc ctagactgta tctggcaatt 780
aatggaacag tttccctgtg cctttgagtt taatgaaaac ttctgctgag agattcatga 840

```

```
ccatgttttc tcttgccagt ttggaaactt ccttggtaac tgccagaagg atcggaaga 900
tcta 904
```

```
<210> 4766
<211> 1333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(920)
<223> similar to gi3874383 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```

<400> 4766
gatgatatgt cagatctctc tccagaagag caatggaggg tcgagcacgc acgcatgcat 60
gccaaacacc gtggccatga agctatgcat gctgaaatgg tcctcatcct catcgcaacc 120
ttggtggtgg ccagctgct cctggtgcag tggaagcaga ggcacccacg ctccataaat 180
atggtgaccc tctttcagat gtgggttgtt cccctctatt tcacagtga gctgcaactg 240
tgaggttcc tagtgatctg gatcttggtc tctgctgtca cagcctttgt taccttccga 300
gccacccgaa aacctctagt acagacaacc ccaaggttgg ttataagtgt gttcctgcta 360
atctataaaa tcagctatgc cactggcatt gttggctaca tggctgtcat gtttaccctc 420
tttggctcta acttattatt caagatcaaa ccagaagatg ccatggactt tggcatctcc 480
cttctcttct atggcctcta ctatggagtt ctggaacggg actttgcaga aatgtgtgca 540
gactacatgg catctacat aggggttctac agcgagtcgg gcatgcctac caaacatctt 600
tcagacagtg tgtgtgctgt gtgtgggcag cagatctttg tggacgtcag tgaagagggg 660
atcattgaga acacgtatag gctgtcctgc aatcatgtct tccacgagtt ctgcatccgt 720
ggctggtgca tcgtgggaaa gaagcaaacg tgtccctact gcaaagagaa ggtagacctc 780
aagaggatgt tcagcaatcc ctgggagagg cctcacgtca tgtatgggca actgctggac 840
tggcttcgat acttggtagc ctggcagcct gtcacattg gtgtagtcca aggcataaac 900
tacatcctgg gcctggaata gtgatgaaga gcatcagtgg aaaacccacc ccacacgcca 960
tggaacctcag ggcactctcc tccctgcca caaagacctc ctgggtggga aagactcaaa 1020
ggggcgcttg ggccactcag gacccctccg gctgtgtcgg actggggagg gatatgatgg 1080
agagccagcc agtggggctg tcagcagtgg ggggcttttt aaaagaaaac tattttgatg 1140
aatatattta aaaaaccttt ttttattgtg gagcatagga attgcccccc tccaggcttc 1200
accctccctg cctaagcagg gtgggggcag agccatgaca tttttggttt aaaggagcct 1260
tctcatctct ggccgagaac actgctgggc tcccaggtag ctgaaggcct cagcccaccc 1320
actcccttct tcc 1333

```

```
<210> 4767
<211> 1561
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
```

```

<222> (1)...(1562)
<223> n = a,t,c or g

<220>
<221> misc feature
<222> (821)...(391)
<223> similar to gil345423 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4767

```

```

tcatataaga aaaggnaaat aatatcaatt ttcagtacta ttatttagca ctagagcccc      60
tccagttaga aaaacaattc ttttaaattgt ctttatgatt tgagggtttca ataataactc    120
atgaataggt gaaagtttgc tattttattta gtcttagaaa aacactgaaa gaaaaaggca    180
ggaaatgtag tacgcagtgt ggaagaatgg agctggccac atgtagtttt agcagctgca    240
gaggaaaactg gctgagtcta aggttacata tttctgctca gtaaggggat ccatggtgat    300
aactctcatg atgacggtag tcatcctggt aaccatcctg gtatccttgg tggtaactat    360
ggtaaccata gcctgcatac tcatcttctg ggcagcgcac cccagtgac tgctgaatcg    420
ccatttcctg tctccgaagt tgcacgaat caattaaatc gtacacaatc accatggacc    480
acattgggga aggataccag gatttgacat ttccgtcttt tccgactaga agcatggaga    540
agtactccgg gctcacttga aaatagttac gaatgtcttt caccaaatgg gctggtacgt    600
cttctcgctc aacaacagag ctcccattaa ttgggaacag ttctaact ccccaactt    660
cctctccaac gcctaaaagc ttcagaatgg ttatgtggcg cagacaaaaa ttgcacgcct    720
gaccactgag ggcagagagc tgctgtgaat aggccagtc ttcacgttta ggagcagaga    780
tcaccagcaa cctcctcctc caccggaacc tggataggaa gttctccagg gactgctttt    840
tgtcctcttt gcaaacaatg ccctccttct tctgcttctc catatctttg attcgggact    900
ggaaagtatc gatcagatca aacacagact tcattgttat tggtaacctca tagtattgct    960
tgactctcag atccacatct gttagcacca tgaagaagtc attgtaggtc attccgtact   1020
ctttcctcag ctgctgatg agacgctggt ctaccaagtc ttcacatcc accactcgca   1080
tgggcttctc attatctagc tgaaagtggg cgattttcat ggtgctgttg ttgacagggc   1140
cgaagatggg gatcacagag attttcctgg tagccatctt gcagaaactt tccagatatt   1200
catcacgttg ttgcacatac atattgttct cagccttggg agcagtgatc agaaggagtc   1260
ttcgtttgcc ttcaaaggac cccagcaggt cggccactga cttcttggga ctctgcgtga   1320
agtgtttggt ggtgggtttc tgatagccat cctgttctgt tttacctct tttttcttct   1380
tgctcttctc tttctcttgc ttgctctttt tctcagactt cttcatttgc ttttactct   1440
taagtaactt gtctgcgttc tcattcttca tctttttttt cttctccttc tctggtttca   1500
aaagcttttc atgcttttta gactcctttg cttttttaag gggaacattc cccacctgca   1560
g                                                                                   1561

```

```

<210> 4768
<211> 3452
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (3453)...(622)
<223> similar to gi5639663 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4768

tatttttttt	ttaattagaa	acaactat	tattcagaaa	agtataaaca	gttagcaatt	60
agaatcttct	tatatacaga	cataacttgc	agaaggttaa	gtctgaggac	gctgttctgg	120
gtaattttta	cagtcctttt	tagctctaag	atccatgaca	ctgcattttt	atggccaaag	180
ggcaatcaat	tatgcacctg	gttgtctcaa	taggcagtaa	aacctaatat	aaataaatga	240
caaatcatct	gccataaaaa	aatacgaaaa	acttttgaaa	tgttaatttc	aactccaatg	300
aaacaaatac	ctaattaaaa	caattattta	tccctgcta	gaatataaag	ggaacaacaa	360
gcttgagctg	caaggctcaa	gctttgagag	cacagaaaga	tttttaact	aataatgcat	420
tttaagtcca	agaaatggag	ccagcccata	atctcatggt	ggaattccct	caggcaaagc	480
tggaaacccc	ctcctgatat	tatttgcaat	gcgatttttt	gttatttggg	atttttaaaa	540
tgacccaac	ttttctgtgc	ttagtttagg	agtcacctta	aggaaaaagt	tgaaaaaaaa	600
aaagatccca	catttcagtt	ctaagtcaac	gttagaatca	acttctccct	cttttctctc	660
ttctcttct	tctcttccaa	gtggctagta	gcatacagca	aaaacataac	ttcacttttt	720
gcctcgcat	ccctcttgag	ataatcaaga	ccagccatat	tgaagccgat	aacatcccgg	780
acttggctga	cttttgaaat	agttgttttc	cttaattttt	ctatcactgg	cacaagcatt	840
tgattgctag	tgatctgtcc	aaagtgaatc	ctaaggagga	agaagaggca	ccggcatata	900
agttcaacat	cagagcccgag	ctgaatgaat	tcgttaagaa	gtttaagaat	gtctgggaca	960
taagagaaaag	gcagcccaag	tagagatttt	tccagctcac	tcgacttgat	ccctttaaaa	1020
atctctaata	cataagctga	aggtgagata	ctgccataag	ccattaggat	ggggttgctg	1080
ggaagtggaa	cctctttccc	tgcagcttta	caaatggctt	tgtgttcctt	catttttgca	1140
gtttcttctc	ggtacaactc	aatagcctcc	ataatcctct	cagctgcttt	cactgtttca	1200
atagttttct	ttccagtaaa	gtaactgtca	ccttgagtct	ctcctggaac	tgctggttgg	1260
tcttctttgg	ccacactctc	ctcatattct	gcttctcttt	ccatctccct	ttcttctctc	1320
agaataagag	gctcccttgt	tctctcccaa	agtctcagag	atltgtcatg	ggacgatgat	1380
acaacatagt	ctccactggg	gcttacagcc	aaacaccata	tttctgtgtg	atgaccctcc	1440
agagtctgta	tgtgttcaaa	tttgtctgca	tccactgtt	taatcttatg	atcttttccg	1500
gcagtgaaga	agaggtgaga	cttgggtaca	aactgtagg	acatcacact	gtcatcatgt	1560
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<210> 4769

<211> 1491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1424)...(707)

<223> similar to gill164927 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4769

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aaaataaaatt	tgacaattta	ttcaaacatt	gttacataag	aagtttttaa	gaaactgtaa	240
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<210> 4770

<211> 721

<212> DNA

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<210> 4772

<211> 2783

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (22)...(1218)

<223> similar to gi3880930 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4772

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gatcctgatg	cagacagact	ggcagcagca	gaacttcagg	agaatgggtg	ttggaaagtt	420
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aataaatcaa	gaaatgctga	tgtgaagaac	gtttatatgt	tagccaccac	agtctcttct	540
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gcatttgaag	agtctattgg	ttttctctgt	ggaacttcag	ttttggataa	agatgggggtg	720
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<210> 4773
 <211> 1658
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)...(655)
 <223> similar to gi3876509 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4773
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aaaaacaatt	ccatggtttg	tttctgatac	tactatacat	gatttttaatt	ggttaattga	240
acaggtaaaa	cacagtaatc	ataagtggat	gtccaagtgt	ggggctgact	gggaagagta	300
tattaaaaatg	ggtaaatggg	tttaccacaa	tcatatattt	tggactctgc	ctcatgagta	360
ctgtgcaatg	cctcaggttg	cacctgactt	atatgctgaa	ctacagaagg	cacatttaaat	420
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<210> 4774
<211> 2913
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2155)
<223> similar to gi3127926 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
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aaggtttgcg	ctcctgtgct	cgccaaaccc	ggagtcacga	gtgtgatggg	aacctaagcg	2160
tgggtggcca	acatcatata	cctcttgaag	aagaaggagt	cagccatcgc	caacttgtct	2220
ctgtagaagc	tccgggtgta	gattcccttg	cactgtatca	tttcatgctt	tgattttacac	2280
tcgaactcgg	gagggaaacat	cctgctgcat	gacctatcag	tatggtgcta	atgtgtctgt	2340
ggacctcgc	tctctgtctc	cagcagttct	ctcgaatact	ttgaatgttg	tgtaacagtt	2400
agccactgct	ggtgtttatg	tgaacattcc	tatcaatcca	aattccctct	ggagtttcat	2460
gttatgcctg	ttgcaggcaa	atgtaaagtc	tagaaaataa	tgcaaatgtc	acggctactc	2520
tatatacttt	tgcttggttc	attttttttc	ccttttagtt	aagcatgact	ttagatggga	2580
agcctgtgta	tcgtggagaa	acaagagacc	aacttttttc	ttccctgcc	ccaatttccc	2640
agactagatt	tcaagctaat	ttcttttttc	tgaagcctct	aacaaatgat	ctagttcaga	2700
aggaagcaaa	atcccttaat	ctatgtgcac	cgttgggacc	aatgccttaa	ttaaagaatt	2760
taaaaaagtt	gtaatagaga	atatttttgg	cattcctctc	aatgttgtgt	gttttttttt	2820
tttgtgtgct	ggagggaggg	gatttaattt	taattttaaa	atgttttagga	aattttatata	2880
aagaaaacttt	ttaataaagt	atattgaaag	ttt			2913

<210> 4775

<211> 2796

<212> DNA

<213> Homo sapiens

$\langle 220 \rangle$

<221> misc feature

$$\langle 222 \rangle \quad (357) \dots (1500)$$

```
<223> similar to gil572801 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 4775

gaattcccg	gtcgacgatt	tcgtcgccac	ttcagggccg	gcccgcggaa	cttttgggca	60
ggtgtcagcg	cccgtgtcac	cgccacgtcg	cgacatggt	gatttcagaa	agtatggata	120
tactcttcag	aataagagga	ggccttgatt	tggcttttca	gctagctact	cctaatagaaa	180
tttttctcaa	gaaggcactg	aaacatgtgt	tgagtgcact	gtcaactaag	ctgtcttcaa	240
acgcccttgt	gttcagaatt	tgccacagtt	cagtgtatat	atggcctagc	agtgacataa	300
acaccattcc	tggagaactg	actgatgctt	ctgcttgtaa	gaacatactg	cgctttattc	360
aatttgagcc	agaagaagat	ataaaaagaa	aattcatgag	aaagaaggac	aaaaagttat	420
cagacatgca	tcaaatagta	aataatagatc	ttatgctgga	aatgtcaacc	tccctggcag	480
ctgtaacgcc	catcattgaa	agggaaagcg	gaggacacca	ttatgttaat	atgactttac	540
ctgtcgatgc	agttatatct	gttgctccag	aagaaacatg	gggaaaagtt	cgtaaacctc	600
tggttgatgc	aattcataat	caactaactg	acatggaaaa	atgtattttg	aaataatatga	660
aaggaaacatc	tattgtggtc	cctgaaccac	tgcacttttt	attaccaggg	aaaaaaaatc	720
ttgtaacaat	ttcatatcct	tcaggaatac	cagatggcca	gctgcaggcc	tatagggaag	780
agttacatga	tcttttcaat	ctgcctcacg	acagacccta	tttcaaaaagg	tctaattgctt	840
atcactttcc	agatgagcca	tacaaagatg	gttacattag	aaatccacat	acttacctta	900
atccaccta	catggagact	ggtatgattt	atgtggtcca	gggcatatat	ggctatcatc	960
attatatgca	ggatcgcata	gatgacaatg	gctggggctg	tgcttatcga	tctctgcaga	1020
ctatctgctc	ttggttcaaa	catcagggat	acacagagag	gtccattcca	acacacagag	1080
aaattcagca	ggctctagtc	gatgccgggg	acaaaccagc	aacatttgct	ggatcgcggc	1140
aatggattgg	atctattgag	gtgcagctgg	tactaaacca	attgatcggg	ataacgtcaa	1200
aaatcctggt	tgtcagccaa	ggttcagaaa	ttgcctctca	aggacgggaa	ctggctaatac	1260
atttccaaag	tgaaggaact	ccagttatga	tcggggggagg	agttttggcc	cacacaatac	1320
taggagttgc	atggaatgag	attacagggc	agataaaagt	tctgattcta	gatccacatt	1380
ataccggtgc	tgaagacctg	caagttatatt	tggaaaagg	ctgggtgcgga	tggaaagggcc	1440
cagatttttg	gaacaaggat	gcatactata	acttatgtct	tcctcagcga	ccaaatatga	1500
tttaaaatat	cttgaggtca	aagactgcag	tagagtggta	ttataaatatt	ttgaataaaag	1560
aatcagttta	atttttcaca	ttaaatcctg	gttctagttt	gaccatttaa	attatgacct	1620
ttttcaaaag	ttgtaaatac	tgacgggaga	atgtattttt	tagacgttcc	tttaataact	1680
taaaagacaa	agcatacaca	accagcatat	tataggcata	taaatacatg	tgttctttaa	1740
tggatcttca	cttgggaagaa	agtttttctg	ccttctcaga	aggagattag	acacaacata	1800
tggtaaaagg	aaaagcagga	gcttatagat	ttgcatgaaa	tgaaggcggt	cttcagactt	1860
cttcataacc	cacgtgacat	cagcacttcc	ttttcccaact	ggatttttct	acacttccga	1920
gactccggtt	ctgtctgagc	acggcaacac	aatcattcct	gtcagggtgt	tcacttgctt	1980
ttattgtctg	catacattta	attggtgtaa	gaaacttggc	acagtctgga	aatccacatg	2040
accaagcgag	atcttcagct	gtttgcccgt	tcttattaca	taaatcaatt	tgggcatcac	2100
tggctacaag	caggcttagg	cactccaggc	ttccaaactt	tgctgccttg	tgtagtggag	2160
cttctcctaa	aacatcctgc	tggttgaggt	cagcgcccgt	ttgcagctgc	cagagaagaa	2220
agcaagcaag	gccgcttcct	gcggctaagt	ggacaggcga	ctgcttgca	ggatccgggg	2280
gtgcgttgac	cgaggccccct	gtctccagca	aatgcttcag	accatccacc	tcgggggttg	2340
aatccagcaa	cagcatttcc	cgcctaaggc	agatgacaag	agtccttgga	agtgcagaga	2400
ggtgagacac	tcgccgcacc	ccgacaggta	agaatgcgca	ggctggccct	agcacgggag	2460
aatttaaaga	ccgctgggac	ttccggggccg	gcccttggca	gccgcgcccc	agctccgggt	2520
acgcccagag	agcctaattc	tcaacgaccc	ggaccctgtc	cagccccgcc	acggccgcac	2580
gtacacaaac	actggcacgt	ggagcccggc	gccgggggca	gggggagggg	gcgggcgcgc	2640
gagggcatcc	gccgattggc	cagctgtgga	tgcgtcaggc	cctcccaact	cggggcgggg	2700
cccgcggcgg	ccccacggag	cctcagcgcg	cgtgcgcagg	gtaagtca	gggcgtgaga	2760
ggactggagt	aggagcgggt	ggggctccgc	ggccgc			2796

<210> 4776

<211> 1285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1286)...(607)

<223> similar to gi472900 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4776

cacacgtccg	gctaattttt	gtatttttag	tagagacagg	gtttcgccat	gttggccagg	60
ctggctctgga	actcctgact	tcacgtgac	catctgcctc	ggcctcccaa	agtgtctgga	120
ttacgggcgt	gagccacagt	gccagccaa	aatgcgacac	ttcttccctg	tctagcagtg	180
caagatctta	aagtcagatt	ataaaacaag	ttgtattctc	actttatcat	ttttctctgc	240
agttctagg	caggtttatc	tgaattactt	aagtccttca	tagtatagtg	agcataaaaag	300
aggacacaag	ccaaatgtat	acttaaatta	aatagcatga	tttaatttag	ttggtgctta	360
accctgaatc	ctcttaagtt	aaaaaaaaag	ttataattaa	ctattaacgt	taatgaattt	420
aaaccttcca	gaaagcatga	atccaaaagg	aatgtccaa	caggtgatat	gaaccagata	480
ttttatggcc	tttcctgttt	cagtcctaaa	ctttctaaac	atcaatgggg	aaaaaaaaatt	540
ctctagagtt	tttcagtttt	attcttctag	agcacaattt	tccggcctgt	tactgagtac	600
ggtcttctaa	caggtacaca	attaactcat	aagtagacaa	cacaatggca	gtatttgga	660
tctgccggat	aagctgggca	aacagtcctc	tataaaaggc	aaggtagcct	tcttcccga	720
acaccaggcg	cgcctgtctg	acaaaagact	tgtacttggt	gccctcttcc	cggagcctcg	780
tccttatgac	ttcgtgtgga	taagcaatgc	aggaggcaca	gcccttagaa	agagcagcag	840
ctgccataag	tccaaaaaaa	cttgtggaat	ttttctcagt	cccatttgca	gaagaggcta	900
atggagcttc	tttcagatac	ttctttaaac	tttcataaat	agcaaagcag	attatagttt	960
cggaaattcc	agcatacag	gcagttaatc	ctctatagaa	gccacgaatg	ccttcggtct	1020
ggtaaacgta	acgagcacac	tggagtgtat	tcactgtgct	agagcccctc	actttctggt	1080
ctagctgcat	tccgggtttta	accatccata	taggattcat	taaggaattt	gtgataaaaag	1140
ctgcagagcc	agctgagaaa	atatgcacaa	tattgtgtgt	aggcacgaaa	atgccattaa	1200
attgctcttt	ggctttggag	taacatgcaa	agtatacagc	ccttgatggt	gcaactccaa	1260
ccaaatttgg	acccaagcct	ctaaa				1285

<210> 4777

<211> 1564

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (286)...(929)

<223> similar to gi469478 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4777

tgtgtctttt	gttgggatac	tccacagcgg	ccgctgcaga	gtgaaggcgc	tgcagcgctg	60
gtcaccaagg	ggtgccagcg	attggcagcc	cagggcgcac	ggcctgaggc	ccccaacgg	120
aatgggccc	aggatggtgg	ggatgcccct	tcaccagca	aacggccctg	ggccaggcaa	180

gagaaccagc	aggcagagcg	ggaggggtgc	atgagctgca	gctgcagcag	tggcagtggc	240
gaggccagt	ctgggctgat	ggaggaggcg	ctgccctctg	gccccgacg	cctggccctg	300
gactatatcg	tgccctgcat	gcggtactac	ggcatctgcg	tcaaggacag	cttcctgggg	360
gcagcactgg	gcggtcgcgt	gctggccgag	gtggaggccc	tcaaacgggg	tggg'gcctg	420
cgagacgggc	agctagttag	ccagaggcg	atcccgcgc	gcagcatccg	tggggaccag	480
attgcctggg	tggaaggcca	tgaaccaggc	tgtcgaagca	ttggtgccct	catggcccat	540
gtggacgccc	tcacccgcca	ctgcgcaggg	cggtcgggca	gctatgtcat	caacggggcg	600
accaaggcca	tgggtggcgt	ttaccaggc	aacgggctcg	ggtacgtaag	gcacgttgac	660
aatccccacg	gcgatgggcg	ctgcatcacc	tgtatctatt	acctgaatca	gaactgggac	720
gttaagggtc	atggcggcct	gctgcagatc	ttccctgagg	gccggcccgt	ggtagccaac	780
atcgagccac	tctttgaccg	gttgctcatt	ttctggctct	accggcggaa	ccccacgag	840
gtgaagccag	cctatgccac	caggtagccc	atcactgtct	ggtattttga	tgccaaggag	900
cgggcagcag	ccaaagacaa	gtatcagcta	gcatacggac	agaaagggtg	ccaagtacct	960
gtatcacagc	cgctacgcc	cacctagtgg	ccagtcccag	agccgcatgg	cagacagctt	1020
aaatgacttc	aggagagccc	tgggcctgtg	ctggctgctc	cttccctgcc	accgctgctg	1080
cttctgactt	tgctctgtc	ctgcctggtg	tggagggtct	tgtctgttgc	tgaggaccaa	1140
ggaggagaag	agacctttgc	tgcccatca	tgggggctgg	ggttgtcacc	tggacagggg	1200
gcagccgtgg	aggccaccgt	taccaactga	agctgggggc	ctgggtccta	ccctgtctgg	1260
tcatgacccc	attaggtatg	gagagctggg	aggaggcatt	gtcacttccc	accaggatgc	1320
aggacttggg	gttaggttga	gtcatggcct	cttgctggca	atgggggtgg	aggagtaccc	1380
ccaagtcctc	tcactcctcc	agcctggaat	gtgaagtgc	tccccaaacc	ctttggccat	1440
ggcaggcacc	ttttggactg	ggctgccact	gtctgggcag	agtaaaaggt	gccaggagga	1500
gcatgggtgt	ggaagtccct	tcagccaaga	aataaaagtt	tacctcagag	ctgcaaaaaa	1560
aaaa						1564

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<210> 4778
<211> 1932
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1933)...(928)
<223> similar to gi587531 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4778						
tcagattcaa	cagcccccag	cagcagccac	tgtggcctcg	caggcggtgc	ttccaaggct		60
gtgaggcatc	acgaagctcc	cggaggcttt	ggccacttgc	ctatggaggc	gcctagggga		120
ggtggggagg	ggacctaaagc	ccccactttt	gtctaccacg	atgctgcctt	catttagatg		180
tatcctgttg	ttcagaagcc	cccactggcc	ccaaccgcac	ctgccccggc	tcatgcctcc		240
ctgcgtctga	gagggcagtg	gtcacaggct	gtgggctctc	gcattcttga	aatgaattta		300
ttgttcactt	ttgcacacgc	gtgttgtagg	acagggcagg	tcccagcctg	gggcctgctc		360
ccccaactgc	aacatttccc	caagccccc	aaatgggccg	aaaggggaac	atgggcgtgt		420
ctttccacat	taagtagcag	gagattcccc	tgagtaaaag	gcattttctt	aagtaggacg		480
tgtccaggct	ccagcagcag	tccctgggggt	gggggttgtg	ggccttcagg	ccagggcact		540
gcccagtgact	tccgagaagc	cacctgggtg	tccaggtgct	gctggctgag	gctcctgcag		600
ctcaggctgg	gcctctttcc	aggccagaga	cttctccaat	ttggttttaa	aaagcaatcc		660
gtgacctggg	cagtctgcag	tctcttttga	ggctcgcttc	ttgcagcagc	cgcggcacag		720
gctgaacaca	catctgttgc	cctttgggtt	tccacactgg	tcacactttg	catatttttg		780

```

cttcagagag ggggtcgaagg tcttgtgggg gttcctcagc tgcttctttt gcttgttctt 840
ggacaggacc tccgtgccac cctcctcttc ctccagggcc cgcttgctgc gcgcacctgc 900
cttctccttg cccccctccc tgggccccgg ccgatgtag ggctggcaga tccagtggaa 960
gggcaagtcg ccggtgggct tcgctccctc ctgcctggat atctcctcct gacaccgcag 1020
cttcagctcc tgggtcacag cagcgatgcc ctccagggtc ttcaccttgg ccagctcctc 1080
tcgcagctcc tgggtcacct gcagcgtgtg gtgccacagc ttgaagaggt gggccccggac 1140
gtaggacagg gggcaggggt gctcccgcac gatgtccaga tactcctcgg ccagctccca 1200
cacggcaggg ctccggccct cgaacagggc ggggttgtgc aggttgccct ctgcgctcat 1260
gacgccctgc acaccctgtt cccggaggca gcgctccacg tcctgcaggc actggatgtt 1320
cccgttagca aacacagggg tggccacagc cttccgcaca gccttgatat gctcccagga 1380
cgctgcaccc gacagggggc ccttctgtct cttggtgctg ccgtgcaccg tcagcaactg 1440
gcagccggcc ttctccagca tctgggcgta cctcacggtc ttgtcaatct ccgggaagac 1500
acggattttg cacgtgacag gaacagagag tttctcgttg gccagcaaaa tcattctttg 1560
gagcaggtcc cactcgtcct gcagaaaggc gccatagtga cctctcttgg ctatcatctg 1620
tgggcagccc aagttcaggt caatggcgct acagtaatcc tgagccagga gagccgcctg 1680
aacaacaccc tccgggtcat tggcacagaa ctgcacgatg agggggccgg cctcggggca 1740
cacctcgcag tacaggttct ctttccggta gttggcgctg cggacaaaga cctgggcatg 1800
cagcatgggc gtgtagcaga gctgtgcccc gtggcgccgg ctcagcagcc tccaggccag 1860
ctcgtctctg tccaccatgg gggccacgac gtggcgggcc cctcgcaggg tgcggtcca 1920
gaactcgaag cc 1932

```

```

<210> 4779
<211> 971
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (973)...(848)
<223> similar to gi5804910 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4779
tttttgcaaa gtttatttga aaatcaaaat ttttttatta atttactgga tttcctatac 60
ctaacaatcc ttaaaacaac tatcaacacc tgcaacacaa accacaggca aaatgaaaaa 120
cagatgcccc agacagcacc caccacatt ggcacacact aattaaggaa caaaatctta 180
caggtgtctg acataactcg ctttaagcat gcaatgatcc ctgcagtgtc ccctggcaat 240
caacctctct gcaccctggg gctggatact tcaaagtcc tttgttctct aaacagggtt 300
gaagtcaaca tgggcaagtt aaggacaagt taggatgagg atccccctag gttcataacg 360
tgagttcct ccttggctcc tccaatggtc atccaccaag gtacaggggc caatccccct 420
attaagagat gggcttaaag catccccaat gggggaaaca ggctgccc ggccacatgg 480
gcagattcta tatatttcca agtccccgca ggccacaaga ctggaaagcc atagagaatt 540
ggacagctca agcctcacct gaacaatgtg ttgaaagggg atctctcagg acagacactt 600
tgatttcata agttggccca ttttggccca aatataccaa atagagatgt catgtaatgt 660
cactgcaaat ccagtacaag atactaagag tacccgagaa cctgggggtt tctttcggcc 720
atccagaagg tgaggtcagc caggaggggt cccattgtct tctgaccaac tgatctgcca 780
gaggaaaagc tgttcagtat ccaagatgca tcaggtccaa tcccaggggt tcctagttct 840
ccttctgtgc ctgctgtaac ctcttggcca cagcagtgat cagtgtctgc ccttttccac 900
tgccatcttc tgacagcatg aatgtcacat cacatcgagg ggctagttcc ttcacagttt 960
cctgcaatat t 971

```

<210> 4780
 <211> 1480
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (26)...(738)
 <223> similar to gi3878000 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4780
 cctagagggtc accaagaatg aaatcctgca gagtgttttc tttgtctctc cagtttagcaa 60
 cgtgtgcttc ttcgccaagt gtccatacat gtgcaagacg gagtatgctg tctgtggcaa 120
 accacacctg ctggagggtt ccctctctgc cttcctgccg tccctcaacc tggccccag 180
 gctgtctgtg cccaacccct ggatccgctc ctacacactg gcaggaaaag aggagtggga 240
 ggtcaatccc ctttactgtg acacagtga acagatctac ccgtacaaca acagccagcg 300
 gtcctcaat gtcacgcaca tggccatctt cgacttcttg atagggaata tggaccggca 360
 ccattatgag atgttcacca agttcgggga tgatgggttc cttattcacc ttgacaacgc 420
 cagagggttc ggacgacact cccatgatga aatctccatc ctctcgctc tctcccagtg 480
 ctgcatgata aaaaagaaaa cacttttgca cctgcagctg ctggcccaag ctgactacag 540
 actcagcgat gtgatgcgag aatcactgct ggaagaccag ctacgccctg tcctcactga 600
 accccacctc cttgccctgg atcgaaggct ccaaaccatc ctaaggacag tggaggggtg 660
 catagtggcc catggacagc agagtgtcat agtcgacggc ccagtggaa agtcggcccc 720
 agactctggc caggctaact tgacaagcta agggctggca gagtccagtt tcagaaaata 780
 cgcttgaggc cagagcagtc gactcgagtg ccgaccctgc gtcctcactc ccacctgtta 840
 ctgctgggag tcaagtcagc taggaaggaa gcaggacatt ttctcaaaca gcaagtgggg 900
 cccatggaac tgaatcttta ctccctgggtg caccgcttct gtcgtgcgtt gccttgctcc 960
 gtttttccca aaaagcactg gcttcatcaa ggccaccgac gatctcctga gtgcactggg 1020
 aaatctgggt ataggtcagg cttggcagcc ttgatcccag gagagtacta atggtaacaa 1080
 gtcaaataaa aggacatcaa gtggatacct gacttctcag gatccttatt ctactacaa 1140
 gtcaaagata actcctggtc cagacaaaac acctggccta tcacaagctg actaaaaatc 1200
 tgcactttgg gccagcgag gcaacagtaa ctctgacagg ttcaaattag acctcacact 1260
 ttctactcat attctagtca ctggacccat ctgaatcagt aatccctact gcccggtcct 1320
 ggagtaactt cttagagata ttataacaag tggcaaaaat aaaagaggga tttgctaaga 1380
 atatcagaaa aggagtgttc caatttgaag agtattacaa ttgaaataac atcaaatatg 1440
 tcacactaag cagccagtaa cagaataaat aattacaacg 1480

<210> 4781
 <211> 3205
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (3)...(2215)

<223> similar to gi4589682 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4781

cttcaagacc	gagctgccac	ggccgcctcc	ccgcccgcgc	cccattctac	gcgcctgccc	60
acaccctcct	cccctccttc	cagcgccttt	cggtggagca	ctgcggcact	cagcccagac	120
tgccgttttc	ccctcgcggg	gaacgctgtg	acccccccgc	aggagcggcg	gggcgggggtg	180
ggggggcccg	ggagaagatg	gcgacgccgg	gaagcgaacc	ccaacctttc	gtcccggccc	240
tttcggtagc	tactctgcac	ccacttcac	atccccacca	ccaccaccac	caccatcagc	300
accacggagg	aaccggcgcc	cccggcgggg	cggtgtgtgg	cggcgggtggc	agcgggggct	360
tcaacctgcc	cttgaaccgg	ggtctggagc	gcgcgcttga	ggaggcggcc	aactccgggg	420
ggctgaacct	gagcgccagg	aaattgaagg	aatttccccg	taccgcagcc	cccggggcatg	480
acctctcgga	cacggtgcag	gcagacttat	ctaaaaacag	actggttgaa	gttccaatgg	540
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<210> 4782

<211> 1599

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1288)...(394)

<223> similar to gil208834 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4782

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cggatcgcac	ataagtggtc	cacagtcgac	agaaacagac	cgccacgac	agcaacttag	360
cgtcgcctcc	cccgggtctca	tcttcttggc	atgcccgctg	ggcccaggcg	ggggactccg	420
gcgcgcgtgc	ttcttctcta	gctgctgctg	cagtctctcc	tctttcttct	tcaggtagga	480
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gcttgcctatg	gaggtggcca	ggaatcggtc	gccgccccgc	accaccaacg	tctgcccgc	1560
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<210> 4783
 <211> 1617
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1594)...(1021)
 <223> similar to gil65009 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4783

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atgtatagaa	atataaagta	tatggtatta	aaaacagacc	ttgctaatat	aaacatatat	480
aaagtatgtc	acttctcctg	taataacagc	ataaagatcg	atctacagtt	tgcccttcgc	540
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<210> 4784
 <211> 2964
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2966)...(2081)
 <223> similar to gi5911961 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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cggcagggca	ggcctagaag	tgggtggcct	agagggcact	gggtcagact	gtctccaagc	360
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cacgtggggga	tacggaggcc	ccgc				2964

<210> 4785
 <211> 1589
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (203)...(565)
 <223> similar to gi3873983 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4785
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 aaataaaaaa aaaagtcaaa atttcaaaa 1589

<210> 4786
 <211> 1657
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (4)...(734)
 <223> similar to gil487866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4786

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aatcttctaa aaaataaaat ctggaatcct gcttttttgc tctactagta cctctgtcac 1140
actagtctta tcaaaaacca gttcttaaga tcaatgttaa gtttattagt taatgtaaata 1200
ttctcatcct cgaaaagggt gaacataaat gcctttaagg agtatatcta aaaataaaca 1260
ttaggatatc taagtgtgat gtaattgttt cagggaaggaa aaaagaaaag cattctggaa 1320
tgagcctact tcaagtaatc ttagtttcta aaactaacag ttaataattt caattccagt 1380
atatcacttt aagtagaagg ggatgtccaa gtaatttttg ttttctaact gttgaatcat 1440
aagcttgacc tgccccaga ggcttttttg atgttttttg ctgtgttttg ccatctcttt 1500
acactcctcg acattcagtt taccttaatc ttcacatttt tacaccttgg gaagtggcaa 1560
gcatcgctgg gtttaagata aaggagtcac aaaaactaat caaaataaaa tttgcattat 1620
gacaactttt aatacacttt agcattttat ttgattg 1657

```

<210> 4787
 <211> 1909
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (52)...(695)
 <223> similar to gi464039 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4787

```

gatgaccctg attacgctca gcttggcacg aggtggcacg agggcgacgc ggacagcatc 60

```

```

agcctcgagc tgcgcaagcc cgacggcacc ctcgtctcct tcaccgccga cttcaagaag 120
gatgtgaagg tcttccgggc cctgatacctg ggggagctgg agaaggggca gagtcagttc 180
caggccctct gctttgtcac ccagctgcag cacaatgaga tcatccccag tgaggccatg 240
gccaaagctcc ggcagaaaaa tccccgggca gtgcggcagg cggaggagggt tcgggggtctg 300
gagcatctgc acatggatgt cgctgtcaac ttcagccagg gggccctgct gagcccccat 360
ctccacaacg tgtgtgccga ggccgtggat gccatctaca cccgccagga ggatgtccgg 420
ttctggctgg agcaaggtgt ggacagttct gtgttcgagg ctctgcccaa ggcctcagag 480
caggcggagc tgcctcgctg caggcagggtg ggggaccgag ggaagccctg cgtctgccac 540
tatggcctga gcctggcctg gtacccctgc atgctcaagt actgccacag ccgcgaccgg 600
cccacgccct acaagtgtgg catccgcagc tgccagaaga gctacagctt cgacttctac 660
gtgccccaga ggcagctgtg tctctgggat gaggatccct acccaggcta ggggtgggagc 720
aacctggcgg gtggctgctc tgggcccact gctcttcacc agccactaga gggggtggca 780
acccccacct gaggccttat ttccctccct cccactccc ctggccctag agcctgggcc 840
cctctggccc catctcacat gactgtgaag ggggtgtggc atggcagggg gtctcatgaa 900
ggcaccacca ttccaccct gtgccttcct tgcgggcaga gagggagaga agggctcccc 960
agatctacac ccctccctcc tgcattctcc ctggagtgtt cacttgcaag ctgccaaaac 1020
atgatggcct ctggttggtt tgttgaactc cttgaacgtt tagaccctaa aaggagtcta 1080
tacctggaca cccacctccc cagacacaac tcccttcccc atgcacacat ctggaaggag 1140
ctggccccctc agtcccttcc tactccccaa caaggggctc actatcccca aagaaggagc 1200
tgttggggac ccacgacgca gccctgtac tggattacag catattctca tctctggccc 1260
cgaggctgcc tgtggggcga gtggagacct cccatcactg agacagatca cagaccacga 1320
gtgcctttcc cggacctgga cgttgcctcc agagcaggca ccagctcttt ccctctctac 1380
acagaaatat ttttghtaagg ttctggggca gggaggaggc atgaagtacg aggaaaactt 1440
gaattccaga tttttagtgc aaagtattta tcatttctac cagaaataaa cgttttaagt 1500
ttttacttga ctaatgagac ccagagtttg gagaaaactt ttggccaatg ctgccacctg 1560
atgtcagaaa gtgtccccac accctagcag tggcctatct tggacaaga acttcgaaag 1620
cacctactgt gtgctcagcc atttgaggaa ggaaggagga gaaggaagat gttactaggg 1680
aaggatgaga taaaacttct gcacccaaga caatgagaca gacatagctg caaccgtagt 1740
aagccagtca gaaatagcca gcgcgaaggc aagagatggg gtggagattg gaaccccgct 1800
tcagatctgg gctcggctac ttacctgctg tgcagccatg ggtcaagttg cttgacctct 1860
ctgtgcctcc actcccttag ctataaaatg agcttactta aaaaaaaaaa 1909

```

<210> 4788

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(303)

<223> similar to gil628579 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4788

```

atttgccatt tctctatggg ttggaattgg agctcaaata tctcctccac ttcctgagag 60
aacattgcca ttgcaccttg atatccaagg ctgtaacagc acctacaatg agacaaattt 120
gatgacaacc acagaaatgc catttactac tagtgTTTTT caaatataca atgttcaaag 180
gactccactg atggataact ggtattcttt atcatatctg tacttcagca ctgttggaac 240
tttggttaaca ttattagtgg ggatacttgt cagtttatca acaggaggaa gaaaacagaa 300
cttagacccc agatatatac taaccaaaga ggacttttta tccaattttg atatttttaa 360

```

gaaaaagaag	catgttttga	gctataaatc	acatccagtg	gaagatgggtg	gaactgataa	420
tcctgctttc	aaccacattg	aattgaactc	agatcagagt	ggcaagagca	atgggactcg	480
tttgtgaagc	tgctctgata	ctagatatcc	ttaaatgatg	tttcaatttt	atatgttttc	540
taagataatt	ggatcagggt	ttcttttgtg	gtgtgtgtgt	gttgatcat	gagtgtttgg	600
gggataagtt	tttgttaaaa	caaagtctgg	actatcttca	tttactacat	cattaattga	660
tgttactctg	gagttttacaa	tt				682

<210> 4789
 <211> 1299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1300)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1299)...(932)
 <223> similar to gi5832784 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4789						
tttttttttt	ttactgccat	aaagaatatt	atttaatcca	tgagacatcg	ttcctacaaa	60
gttagcggtta	cttttaaaaa	tgaagaccgt	gatataaact	ggtaaaaaac	gggcctgatg	120
cgctcgagc	actccctggg	agcaggccct	ggggtggctc	cgcccagtg	cgttctacct	180
gaggtctact	tgtgtctccc	cccttggtct	ctgccccag	accatggcca	aagcctttcc	240
cacaatgtcc	catctgagag	ccttatggat	gggctcacag	ggcagaggta	ggaggagaaa	300
gaggaagggg	catggtgggc	accagccct	gggggcaact	gagggcacag	ccacgtcccc	360
agcaagggca	cgctccagta	gtagtggggg	agaaggcacc	agcagaggca	gcgctgagga	420
cctgggaaga	aaaggaccct	gccccaggag	atggtctcag	caaggagcgg	gatattagga	480
actgagaccc	aagactcaga	gaggcagggt	ccttgggtgt	gcctgagctt	gggtcaggat	540
ctcacaggcc	tcacgcccc	gaaaaacccc	gccttaacca	accatctcac	gcggagtcag	600
cctcgctgg	caggggggca	cccagggtcca	gagcccgggc	cctgtcttgg	gtctctggct	660
ctctggcaca	cagagagcgc	tctgcagagg	gcagccctcg	caggcagacc	ctgttccagc	720
agggtcgagg	ggccagccgt	gtggcccagc	ggtcagtgca	gcacctggtc	cagctcatac	780
ttctcgcaga	agcggctggt	gaaggggaag	caggtgaggt	gctcgatcca	gggccagtta	840
atggggtaga	tgtacagcca	cagcacgagg	gcggcgaaga	ggccggcaaa	ggccagcagt	900
gacaccagga	tgagtggccc	cttgcggtac	ttgtcgctgg	tgccgaaggt	gatgtagggc	960
aggaagggca	aggccagcag	caggccactg	aggaagccga	agatgtgggc	gatgtgtctg	1020
atccagggca	ggaggccaca	gatgaacagg	aagagcncga	tggccgagag	gttgaggaag	1080
gccttccagg	gcctctccag	cagcggccag	ctctggaaga	gctccacgaa	gaggcaggcg	1140
aggaggccga	actgtgagcc	ggccggggccc	acctctgccc	ggtatgggag	aaagatggca	1200
ctggcgagg	tgctgtgat	gccactgagg	atgaagatga	tggcgatacg	gtgccannng	1260
nncngcttct	ccaggtcctc	caggatggtc	atttgaaag			1299

<210> 4790
 <211> 687
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(83)
 <223> similar to gi3329384 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4790
 ccgggacaca cttcggcgag tgcttaacct acctcccaac accattatgg aatataaaac 60
 tcacaccgac agcatcaagg cctgggagga gtttcatggc ctggtgaaca gcagcggccg 120
 ctgatcggac gctccccctc tgtctctcac actcagggga caattcaagc tttcgaaata 180
 caaaaatcac attgtgagag tacacaagct ggcaataatc cttttctgta tgtgtgtgtt 240
 tgtccgaaat ggatgggagg cctccagcca gtccttccat tgctcactga agggacgtcc 300
 ctgagccgtg cgctctcctt ttgcactcat tcctggagga cggattccgc tagacaccct 360
 ccagcatcgc tgactttata aagcggaaaa acggaaaacg tgactttgta atagacaaac 420
 attgtttttt aatgggggttc catggggggg cgttcagcct ttctgtttgc tgtgtgctgt 480
 ccagatgcct cttgggcgtc ctgttggttct cttcccggtgt tgtacgaagg gtaccgtggc 540
 cacgtgtaca tgccagagct gttgatgaga gttaccagta ttatgaatgt ctgtgcatcc 600
 aggaaaagtg ttctgttgga gagtcccaaa atagctgtaa atgctctctt ctagctctgc 660
 cattaaatta ttgggacatt ttgtttc 687

<210> 4791
 <211> 659
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (229)...(534)
 <223> similar to gi2076891 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4791
 acacattctt atatcagcat caagactaca taacagtgag gtgggttttt ttgtagagaa 60
 catacagaaa tttggagaaa ggatcatcaa gtattgacaa agtcagaaac ttagtactgc 120
 taaggaaatt tatttttttg tcaacttaata tgatactaata aacttgttta aaatctagtt 180
 aactactgca ttataattta ttatattcta ttacagggc ttcatatttt caaaaatggt 240
 gtgctagtgg gatccctaca ggatcgctat gttccttata actctgcccg cattgaaatg 300
 tgtaaaacag ctttaaagga caaacagtca ggacagatct attcagaaat gatccacaac 360
 ttgcttcgac ccgttctgca aagcaaggac tgtaatttgg ttcgctataa tgatcatcaat 420
 gcattgcca atacagctga ttactcatt gggagagctg cacatatagc tgttcttgat 480
 tcggaaatat ttttagagaa attctttctg gttgctgccc tcaaatattt ccaatagtat 540

aaaagcattg	ttagcgactg	gacaattacc	tcattcaaca	atgtttcaaa	taatgtatta	600
tattaaaatg	tatgtatgct	gataagttct	aagaaatatt	tatacctttt	tatatggaa	659

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<210> 4792
<211> 1455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (266)...(617)
<223> similar to gi687883 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

0040373E 01400

<400> 4792						
ggacaggatg	ctgggggact	cggggtaggg	agaatgactg	ggttcctgcc	cttgtgtccc	60
catctgcgct	gcctgcccct	caggtctggt	gacagcaggc	agttaggctg	acagctgcca	120
ggcgtggtgt	cacagcactg	gccggggggc	ctgtgcaggg	agaggatgag	ggtgggggtg	180
gctcgggtgt	ggcacttggc	tccctgggat	gtcggggagct	gagcttttca	tgctgcccac	240
ggtcccctcc	tgtgcctctc	cccagatcat	cagggtctgt	gccgacaggg	acaggggagac	300
tgtgcggggc	aaatccatag	agatgaagtt	cctcaccggc	tacgagggtca	aggtcatgga	360
agacgcccac	ttggatgcca	tcttcacctc	gggggaggcc	ttcgccctctg	atgagccttt	420
tgattttggc	actcagagca	ccaccgagaa	gatccacaac	ctgattcccg	tcatgctgag	480
gcaccgtctc	gtccccccac	ccgaggaaaac	ctactccctg	cacaggaaga	tggggggctc	540
cttcctcatc	tgctccaagc	tgaaggcccg	cttcccctgc	aaggccatgt	tcgaggaggc	600
ctacagcaac	tactgcaaga	ggcaggccca	gcagtagggc	tgcgggccac	gcccaggccg	660
gctccgcggg	aactctctcc	ctcagacagg	ccaaaaacca	gtagcgagggt	cgtggtgatg	720
ctctttttta	ctcctttgcc	caataagggg	ggtggctgcc	tggagccccg	tagccagcgc	780
tttccacggg	ttctgttgct	aaatggttgt	agggtgagaa	gtgcaagaat	gaagatgaag	840
ccccactgct	cggtcagtct	gcctccgtgt	gtcctctgaa	ataagcagat	gaagatgaaa	900
gggcaacttt	gttttcttct	ttttcctgat	gtgaatgtta	agcagaaggg	agagagtcct	960
tactcccttc	caatctctgt	tcagtgcaaa	acccagaaaac	atgaacagat	acgattgtgg	1020
gattttttat	atctgtgtag	taggtgtgtg	tatgtgtttc	tagagtgaga	tttgtgtttt	1080
ctgccctttt	cctctccagc	cgatgggctg	gagctgggag	aggtgctgag	ctaacagtgc	1140
caacaagtgc	tccttaagcc	tgcgaggccc	aggcctgtgg	ggctgggttct	caccttgac	1200
agctgaatgt	tcctaaagaa	ctgctgcccc	acagtgaggg	tgggagcagc	ggaacaggga	1260
atgccagaca	caggctcgct	gctgctggaa	ggcgggggtg	gacttccttc	ctctgtccgg	1320
agaggcacag	gtgtcaccag	ttccagccaa	aggctcctca	caggcgctgt	gaatttttgt	1380
acaagtcttg	taattatcga	atcaacaact	tgcttcaatt	taataaaaaat	gctcatggga	1440
agtgcaaaaa	aaaaa					1455

```

<210> 4793
<211> 1483
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (2)...(1485)
 <223> similar to gi4884132 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4793

gttgacactt	tgtggtgata	tccaactaat	gctggcccag	aatgcaaata	atagagcagc	60
acaccttgaa	gagtttcatt	accaaaca	agaagaccag	gagatcctgc	atagccttca	120
cagagagtcc	agttgccaag	gatttgcatg	ggcaactgat	ttgtctacag	acttagaaag	180
tcaactctct	gttagttgta	aatgttatga	ggctgcta	gaaatcttgc	agtttaggga	240
cttgaaaagc	caaaatccag	aacactatgt	acaagtatta	aagagaatgg	gtaacattag	300
aaatgaaatt	ggtgtgtttt	acatgaatca	ggctgtctgca	ttacagagt	agagactagt	360
gagcaaattc	gtgtctgctg	ccgagcaaca	gttgtggaaa	aaaagctttt	cttgttttga	420
aaagggaatt	cacaactttg	aatcaattga	ggatgccacc	aatgccgccc	ttttattatg	480
taacacggga	aggctcatgc	ggatttgtgc	gcaggccccc	tgtggtgcag	gggatgaact	540
gaaacgtgaa	ttttcaccag	agaaggctt	gtattataat	aaggctattg	attactat	600
gaaagcgcta	aggctattgg	gaacacgaga	catacaccca	gctgtttggg	attcagtga	660
ctgggaattg	tccactactt	actttactat	ggcaactcta	cagcaagatt	atgctccgtt	720
atctagaaaa	gctcaggagc	agattgagaa	agaagtcagt	gaggccatga	tgaagtcctt	780
aaaatactgc	gatgtggatt	cagtgtctgc	tgcacagccc	ctttgtcagt	atcgagctgc	840
aaccatccat	cacaggctgg	cctccatgta	ccacagctgt	ctgaggaatc	agggttggtga	900
tgaacacctt	aggaaacaac	accgggtgct	ggcagatctt	cattacagca	aggccgcaaa	960
gctgtttcag	ctgctgaaag	atgctccctg	cgaactgctt	agagtacagc	tagagagagt	1020
agcatttgct	gaatttcaga	tgaccagtca	gaatagcaat	gttggaaagt	tgaaaacact	1080
atctggggct	cttgatataa	tggtgagaac	tgagcacgca	ttccagctta	tccagaagga	1140
gcttatagaa	gaatttggcc	agcctaagag	tggtgacgcc	gctgcagctg	ctgatgcttc	1200
tcctagtctc	aatcgagaag	aagtgatgaa	actcctcagt	atatttgagt	ctcggttgtc	1260
atctcttctc	cttcagttcca	ttaaactgct	atcttcaact	aaaaagaaaa	caagcaataa	1320
catcgaagat	gacacaattc	tcaaaaccaa	caagcacatt	tactcccagc	ttttgagagc	1380
aactgcaaat	aaaaccgcga	ctcttctgga	aagaatcaac	gttatcgctc	acctgctggg	1440
ccagcttgcc	gccggcagtg	cagcgagcag	caatgccgtt	cag		1483

<210> 4794
 <211> 1431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (73)...(577)
 <223> similar to gi3806122 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4794

tgatacgcca	gcttgacaga	gggtgcggcc	caggacgctc	ttcctaactc	aggctctccc	60
cgccccgccc	ctgcagtgca	agtcttggtg	gatggagctc	cggtgcgcat	tgagctctgg	120

gacacagcgg	gacaggagga	ttttgaccga	cttcgttccc	tttgctaccc	ggataccgat	180
gtcttcctgg	cgtgcttcag	cgtgggtgag	cccagctcct	ttcaaaacat	cacagagaaa	240
tggctgcccg	agatccgcac	gcacaacccc	caggcgcttg	tgctgctggg	gggcacccag	300
gccgacctga	gggacgatgt	caacgtacta	attcagctgg	accagggggg	ccgggagggc	360
cccgtgcccc	aaccccaggc	tcagggtctg	gccgagaaga	tccgagcctg	ctgctacctt	420
gagtgtctag	ccttgacgca	gaagaacttg	aaggaagtat	ttgactcggc	tattctcagt	480
gccattgagc	acaaagcccg	gctggagaag	aaactgaatg	ccaaaggtgt	gcgcaccctc	540
tcccgtgcc	gctggaagaa	gttcttctgc	ttcgtttgag	cagctatggc	tgcatagcaa	600
gtagtaggca	ggaggccaaa	gacttctgag	acctggggca	cccgggcctt	tgcggcagct	660
actggcaggg	cctggccacc	tcataggact	cagttccctt	ctgaacactc	gggggacatg	720
ggcctctaac	tgcccactct	gatatgcctg	ggtgagccta	ggagggaagg	ctctgatttg	780
gattttctca	gtcaaagctc	acagaaaaaa	acctggcact	ttgattttca	tgggatggtc	840
ctaacagggt	cagtcacctc	cgagcagttt	gggaaccagg	tttcttgtcc	tgggccctca	900
ggtcagcctg	gctgaattag	gacccttcct	tggcacaggg	gtgagaaaga	gcttggggaa	960
cgcttggaat	tatggagggc	tggaaagggc	tcaaccccg	tttgagagag	agtttgggat	1020
ggagtggcg	agagattgag	agagcgagca	ggaaaagagg	tcttgagacc	tgggactgat	1080
ggtggataag	gcctggaaag	aagatgacga	ggaggaggag	agagggaagt	ggggtggatg	1140
aggagcaggc	tgacacctgg	ctgtccctca	atccccaaag	ccagggaggg	cggggctggc	1200
ccctgggaag	aactgggtct	ctgggctccc	taggcactgc	ccaaactggc	tgagccaggga	1260
gtggggcagg	aagtgagagt	caaggcccag	caaaggaggg	gggaggagct	gcaaattaga	1320
acctgaagga	ggaccgggtt	ggggatcatc	cctttcctca	aggtcacaca	gcctagaagc	1380
tagagcagtg	cagagtctgc	aaataaaacc	ttaagtctgt	gaaaaaaaaa	a	1431

<210> 4795

<212> DNA

<221> misc feature

<223> similar to g

<400> 4795

cacacgcacc	tgggcgcccc	cgggctctac	atccagaccc	tgctcccggy	cagccccgca	120
gcggccgacg	ggcgccgtgtc	gctgggggac	cgatatcctgg	aggtgaatgg	cagcagcctc	180
ctgggccttg	gctacctgag	agctgtggac	ctgatccgtc	atggcgggaa	gaagatgcgg	240
ttcctggtcg	cgaagtccga	cgtggaaaca	gccaaagaaga	tccattttccg	cacgccccct	300
ctctaggggg	gctgcgagga	cacccccaca	ggcccggcac	ccggtcccac	ctggtgacac	360
tgggcttcct	ccgccttcg	tccctgtttt	gtaactgacc	aagttgggtc	ccgggtgggg	420
agcctacccc	tggggacatg	cctgttgata	acatgcatct	cagtgtaggt	tctattttata	480
tggcagatga	cgtgaaattg	tgatgtttgt	tacagagctt	ttatgtttta	agacttcaat	540
ggagaagtac	ggttcaataa	actatttttc	ccgttaaaaa	aaaaa		585

gcggccgacg ggcgcctgtc gctgggggac cgtatcctgg aggtgaatgg cagcagcctc 180

ctgggccttg gctacctgag agctgtggac ctgatccgtc atggcgggaa gaagatgcgg 240

ttcctggtcg cgaagtccga cgtggaaaca gccagaaga tccatttccg cacgccccct 300

ctctaggggg gctgcgagga cacccccaca ggcccggcac ccggtcccac ctggtgacac 360

tgggcttcct cccgccttcg tccctgtttt gtaactgacc aagttgggtc ccgggtgggg 420

agcctcacc tggggacatg cctgttgata acatgcatct cagtgtaggt tctattttata 480

tggcagatga cgtgaaattg tgatgtttgt tacagagctt ttatgtttta agacttcaat 540

ggagaagtac ggttcaataa actatTTTTTc ccgttaaaaa aaaaa 585

<210> 4796
 <211> 2061
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (161)...(1451)
 <223> similar to gi289760 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4796

ctcggaccca	cagagccggc	ccctgctgct	gctcgggcag	ctgcaccacc	tgcaccgcgt	60
gccctggagc	cacgtccgcg	ggaagctgca	gccccgggtc	accgaggagc	tctggcaggc	120
tgccctgagc	acgtcaacc	ccaacccac	ggacagctgt	cccctctacc	tgaactacgc	180
caccgtggct	gccctgccct	gcagggtgag	ccggcacaac	agccccctcg	ccgcccactt	240
catcacgcgg	ctggtgcgga	cctgcctgcc	gccccggagc	catcgctgca	ttgtgatggt	300
ctgcgagcag	ccggaggctc	ttgcttccgc	ctgtgccctg	gccccggcct	tcccgtgtt	360
cacccaccgc	tcagggtgcct	ctcggcgctt	ggagaagaag	acggtcaccg	tggagttttt	420
cctggtggga	caagacaacg	ggccgggtgga	ggtgtccaca	ttgcagtgtc	tagcgaatgc	480
cacagacggc	gtgcggctag	cagcccgcac	cgtggacaca	ccctgcaatg	agatgaacac	540
cgacaccttc	ctcgaggaga	ttaacaaagt	tggaaaggag	ctggggatca	tcccaaccat	600
catccgggat	gaggaactga	agacgagagg	atcttgagga	atctatgggg	ttggcaaagc	660
cgccctgcat	ccccagccc	tggccgtcct	cagccacacc	ccagatggag	ccacgcagac	720
catgcctgg	gtgggcaaag	gcatcgtcta	tgacactgga	ggcctcagca	tcaaaggga	780
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gacggtggaa	atcaacaaca	cggatgccga	gggcaggctg	gtgctggcag	atggcgtgtc	1020
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tcagggcatt	gccacaggga	agtaccacgc	cgcggtgctc	accaacagcg	ctgagtggga	1140
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cgactggccc	ggagtctggg	tccacctgga	cattgctgca	ccggtgcatg	ctggtgagcg	1380
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gagggactcc	aagagacgca	ggcttgtgtg	agcctcctgc	ctcggccctg	acaaacgggg	1560
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tgtttgttac	ttacaggact	gagacatctt	ctgtaaactg	ctacccctgg	ggccttctgc	1800
accccggggt	gaggcctcct	gcctgcctgg	tgcctgttcc	cagccccagg	tcctgtgcag	1860
ggcacctgcg	tggctgacag	ccaggctcct	actccagccg	gggctgccag	cgcatccagc	1920
cagcccagcc	ctgtgaaaga	tggagctgac	ttgtgcaggg	ggacctgatt	tatagggcaa	1980
gagaagtac	actccggcct	ctcagaattc	acttgagggt	caattaaata	cagtacacc	2040
gccccctcaa	aaaaaaaaa	a				2061

<210> 4797
 <211> 1990

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1993)...(1530)
<223> similar to gil213639 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4797

tttttttttt	ttccaggtgt	ggattttttat	tttcacaaaa	agacaacaat	gtcttcccca	60
catacaagta	tttacaaaac	ccaactgatt	cacccatcta	gaacctgggt	ttttttccac	120
ttctcaacat	agttgggaac	atggaaacat	taatacccac	acaattccca	gagatggaat	180
ttatccatca	aacaaacagt	gcagattacc	taaaagtgc	cttacctgca	caactcggtc	240
taagaacctt	gtgaaacaaa	cctcatggcc	aagggtttcat	gaatctat	ggtttcatac	300
catgcaaacc	tgaacaagt	tgctgctaca	ctaaactgaa	aatcggttct	cattttacaa	360
ttaaaaaggt	tctcaacact	ttagcaacta	tacagaatat	gaaggtttat	ttcaaaaaag	420
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aataggttac	ataatactca	gaaatgcaat	gaacaatctt	attctctaaa	aattagacag	540
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aagtaactct	agagccagac	accacagagc	taaggctgca	aattaaacca	ctaccacaca	660
gctgcaaact	actctttata	ttcacacagc	gttaaacaaa	acgacttcaa	ttccatcttt	720
tcaaatgtgc	ctcgggtgctg	caagaaaaaa	agttgaatga	tacacaaaac	tattaaaagt	780
tacaacagaa	ctattttaa	atcttctcca	aaattgagaa	aagcaatcat	gttaaat	840
taaaaagaaa	agtctgacag	aactctcaag	caagtcagag	gtcctcttca	taagtagtca	900
agtaaagt	acaggagatt	tcaataaatt	atctttaa	cttggcagag	agctcatt	960
cagaatcg	gcggagggtc	acccttaa	ggcttaa	cggagccact	tcctctggc	1020
atggaattgc	cactgatttg	tacaattcta	ttaattggg	atgcgttact	tgaatgttg	1080
gttatcatgc	ctgctcctgc	ccggccgtca	cccatcgc	tcgtatcatg	atagctaggc	1140
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ggccctgcct	ctcgaggatg	tctaggatga	gtgatatcag	gcctgtcatg	aataatcacc	1500
gttctccttt	cgtctcgctc	ccctcg	tctcgctgt	ctgattctct	aagttcatt	1560
cttgggtggtg	gaggctcatt	tcttctggag	tcactgaaat	tttgggata	tctttcgaag	1620
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cgatcccgcc	tttcaaaaga	tgaagactgt	actgctgaac	tctcaggaaa	cctgcccctc	1740
tctcggatgat	caaagtcatt	aaatctgttc	tgttggcgag	agtagtcgga	tccatggcca	1800
aatcgtgcat	ctgtatctag	agacaacttt	ttattctcgc	tccagtaagg	atcatctcgc	1860
ctatgatcta	catcacgtgg	gcgtttcaag	gaattccttt	tttcttggtc	ataacgaagc	1920
tgctgttggt	gccttctgag	ttcctctctt	tctcgagcaa	tccgttcagc	ttccttacga	1980
cgttcctggt						1990

<210> 4798
<211> 2963
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1638)
 <223> similar to gi4378020 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4798

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gaaattaagc	tgaaaatcac	caaaacatac	atgaatggga	agcctctctt	tgaatcttcc	120
atgtgtggtg	acagtgtctg	tgatgtgtct	cagtcagaag	aaaatggaca	aaaaccagaa	180
aacaaggcga	gaaggaacag	gaagaggagc	ataaaatatg	actccttgct	ggagcagggc	240
cttgtcgaag	cagctcttgt	gtctaagatc	tcaagtcctt	cagataaaaa	gattccagct	300
aagaaagagt	cttgtccaaa	cactggaaga	gacaaagacc	acctgttgaa	atacaacggt	360
ggtgatttgg	tgtggtccaa	agtgtcgggt	tacccttggg	ggccttgcat	ggtttctgca	420
gatccactcc	ttcacagcta	taccaaactt	aaaggtcaga	aaaagagtgc	acgccagtat	480
cacgtacagt	tctttggtga	cgccccagaa	agagcttgga	tatttgagaa	gagcctcgta	540
gcttttgaag	gagaaggaca	gtttgaaaaa	ttatgccagg	aaagtgccaa	gcaggcaccc	600
acgaaagctg	agaaaattaa	gctattgaaa	ccaatttcag	ggaaattgag	ggcccagtg	660
gaaatgggca	ttgttcaagc	agaagaagct	gcaagcatgt	cagtggagga	gcggaaagcc	720
aagttcacct	ttctctatgt	gggggaccag	cttcatctca	accctcaagt	agccaaggag	780
gctggcattg	ctgcagagtc	tttgggagaa	atggcagaat	cctcaggagt	cagtgaagaa	840
gctgctgaaa	acccaagtc	tgtgagagaa	gagtgcattc	ccatgaagag	aaggcggagg	900
gccaaactgt	gtagctctgc	agagaccctg	gagagtcacc	ccgacatagg	gaagagtact	960
cctcaaaaga	cggcagaggc	tgaccccaga	agaggagtag	ggtctcctcc	tgggaggaag	1020
aagaccacag	tctccatgcc	acgaagcagg	aaggggagatg	cagcatccca	gtttttggtc	1080
ttctgtcaaa	aacacagggg	tgaggtggta	gctgagcacc	cagatgcttc	aggtgaggag	1140
attgaagagc	tgctcaggtc	acagtgaggt	ctgctgagtg	agaagcagag	agcacgctac	1200
aacaccaagt	tgtccctggg	ggccctgtgc	caggctgaag	aagactctgg	taatgtaaat	1260
gggaaaaaaa	gaaaccacac	aaagaggata	caggacccta	cagaagatgc	tgaagctgag	1320
gacacaccca	ggaaaagact	caggacggac	aagcacagtc	ttcggaagag	agacacaatc	1380
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gcttccacgg	cagcatcttc	agctcttggg	tttagcaaaa	gttcatctcc	ttctgcatcc	1560
ttaactgaga	atgagctttt	gtgggagccc	acaccagtc	agttggattt	gaaccagct	1620
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ttcatattcc	agtggccaat	gtagattttca	agttgaaagg	cagtcccttt	agttgggggc	1920
tgtccagagc	tgcagcaggg	ctttgcacgg	aaggggtggc	cctgttagag	ttgcttctcc	1980
tctagtttgt	aacttactgg	acttttgtgg	aaaatatcag	cgctcgctacc	ctcagaaaca	2040
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atcctttttt	actaaacagt	tttattatga	cactagatac	agtaaatttt	tagaaaaaaa	2220
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gggatactgt	aatcagggtta	tgtacaccaa	cctctgcata	agttgcttct	atagagcatc	2340
agccctcatg	tttcattgtc	ttaatgtcgg	ggagcagcct	ggtgtcctgc	cccagggtgc	2400
cgcatttttg	catggtaagg	agaaggctta	cttgcccttc	agctcataaa	agcagaaggt	2460
gtgctattca	cagtaccatg	cgagtagccc	acagttaatt	cccggcagat	tctttggctg	2520
tgttttatct	ttaatgaacg	tttctgacta	atattttgtt	gtaaaccatt	aagtaatgta	2580
acgcatgtaa	gatgcttagg	gtgcctggcc	aggactccgt	ggtttcctgt	tgtgacagta	2640
ataatgggta	taataataaa	aatgataaaa	ttgccatcat	tctattttta	tccaaaagta	2700
taaattttgc	tttggcatga	aaagtgggtc	tcttgactgc	attatgcatg	cgaggatgaa	2760
ataaacctag	aagtggcaga	acactggatt	tgtgtgtgtg	gcgcttagg	gtgctggact	2820

gtatggctga	gggctggttg	ggttcctcta	ttggctctgc	tcaaagtgtg	caggatacat	2880
agcccaaaag	atggtctagg	agcaatctaa	gctgtgttac	tccaaaggac	atgaaaaagc	2940
tcaagagtaa	aattaaaatt	ctc				2963

<210> 4799
 <211> 1588
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1591)...(537)
 <223> similar to gi3249085 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4799					
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agattataac	gcatagtagc	ctgccttaca	ttcagcaagt	tcaaacagga	cacaaaacca	180
gtcaactgaa	cacagagcag	ctctcttcag	aagcacttcc	aatgagtgat	gcagagattt	240
caaaaataca	aagcaggcaa	cttatataca	gcaaactctc	acactgcctg	gacatgtgcc	300
acttttttgt	tgtttttaat	atatttttcc	ttcctgggtg	ctaattttaga	ctgaattctt	360
aaggatttat	cttgatgact	tagaaaaata	cacctgtcct	ttctcacttt	gtttcaggta	420
gtacagtcac	gaaattgagt	aagtctctta	aaaaaatgaa	agtcacacaga	tcccattgtg	480
gaaggtttca	ggaacccctc	cccaggtaat	gatcacggga	tcttcaacag	ctcaaggagt	540
gctccaacag	ctccaaaata	accctcgtgt	tccgaaaaaa	gtgctttcaa	ctgccccttg	600
gaccaataat	ccaaagcata	tgccaaaagc	cgcatggcga	tcgtattaat	tctcaagaaa	660
tttccaacaa	ataccacctg	gttaatgttt	tcattaaggg	cacacattct	tgctattgag	720
ccaatgttgt	tggatgatgg	gatcaaagtc	gctctggcca	ggctcctctt	actgacagcc	780
tctcgcttct	ccttgctcat	catgtttcca	aagcttgaag	ccacagccca	gcctggcagt	840
ccaaacctct	catagtcccc	tccataaata	tctcgtacta	gtttatccac	tttggtgcta	900
tctccacgag	atgccatttc	aagagcttct	tcaaaagtgg	tacagccagt	aagaagacag	960
cagagaccaa	aaaaagttcc	tctccaaga	ctagtacctg	tgaccctgtt	gtaattatct	1020
ttggaatata	ctgctaagat	gctaaccctc	gagccaatgt	tcaccagaag	cagaggatac	1080
ggatttttca	aatcaaattg	taacttctga	cacttttcag	aatcagcagg	gttttcaaag	1140
taatagcact	gtgaccgtcc	attgaatccg	actgagtcaa	tgtataaaat	tcctttgatc	1200
aagcaatcta	gttcatccag	tttgcaaagc	tgaagatcac	ctattgtgag	aaaatcctgc	1260
tcaaatttgt	acgctccacc	tccagtggca	caaaagacag	tgtggagact	cgagaagttt	1320
ttatctctgc	ccatttgaat	aaaagcaggc	atgtcatgag	tgggaaagcg	tataaagtgc	1380
agattgcctt	tgcgtccaca	cagagtcagg	tccttcagct	cgaggtgcac	gtcccgaatg	1440
cctgtagacc	cataagccac	attggaggtc	aggctactcc	gaatgctttt	aagactttcc	1500
acttcttcct	cttcttcttc	agcagtgatg	tctttggggt	caaaatatac	cagcttgacc	1560
agagttccac	cgatatccag	tccaaacc				1588

<210> 4800
 <211> 58

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (18)...(37)
 <223> similar to gi5262860 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4800
 ttttaagcaag gtcattgccct ggatttcagg gaggcctttgc aaaaactcaa aaaaaaaa 58

<210> 4801
 <211> 1199
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1200)...(976)
 <223> similar to gi3002527 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4801
 tgccgctagc cgccctgggaa ttttaagggac ccacactacc ttcccgaagt tgaaggcaag 60
 cggtagattgt ttgtagacgg cgctttgtca tgggacctgt gcggttggga atattgcttt 120
 tccttttttt ggccgtgcac gaggccttggg ctgggatgtt gaaggaggag gacgatgaca 180
 cagaacgctt gcccgagcaa tgcgaagtgt gtaagctgct gagcacagag ctacaggcgg 240
 aactgagtcg caccggtcga tctcgagagg tgctggagct ggggcagggt ctggatacag 300
 gcaagaggaa gagacacgtg ccttacagcg ttccagagac aaggctggaa gaggccttag 360
 agaatttatg tgagcggatc ctggactata gtgttcacgc tgagcgcaag ggctcactga 420
 gatatgccaa gggtcagacc cttcgccagg gcaggacccc acttctcaga tacaagatc 480
 tgtatccctt gaggccctcc agagggttatc tgcccatcat ctacacatca tggaaactcac 540
 ccttgaatct ccagtagttg acaaactctga aatggcagaa aggggaaggg aggggtgggg 600
 tggtagctg ggctgatgcc aaattcttaa tctctcaggg tcagagtcag accatggcaa 660
 cactgaaagg cctagtgcag aagggggtga aggtggatct ggggatccct ctggagcttt 720
 gggatgagcc cagcgtggag gtcacatacc tcaagaagca ggtaggataa gtcactgccc 780
 catccaggga ggtgagaagg gaacctgaga ggggagctag gttctagggt ttgactatag 840
 gggatgtcta cccctaagca tggggaaggg ggcagagtga ggactgtgcc attgattaaa 900
 gtgggtccag gagcgggtgg gtgcgggtgg tcacacctgt aatcccagca atttgggagg 960
 ctgaggcagg tggatcacct gaggtcataa gttcgagacc agcctggcca acaaggcaaa 1020
 acccgtctt taataaaaaac acaaaagtta gctgggcgtg gtggtgcacg cctgtgatcc 1080
 cagctacttg ggaggctgag gcaagagaat tgcttgaatc caggaggtgg aggttgccat 1140
 gagccaagat cgcaccattg cactccagcc agggcgacag agcaagactc catcttaaa 1199

<210> 4802
 <211> 869
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (172)...(576)
 <223> similar to gi3880459 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4802
 gctggagaaa cgcggtgcgc ggtcctgcgg tcctggactt ggccccagac agccggcagg 60
 gtcgtggcca gaacgccggc cgggaccatc tgcacaggcg ctcgacagct ccaagacgct 120
 gcggccaagc agaaagttga acagaacgcg gctcccagcc acaccaagtt cagcattttac 180
 cctcccatc caggagagga gagctctctg aggtgggcag gaaagaaatt tgaggagatc 240
 ccaattgcac acattaaagc atcccacaac aacacacaga tccaggtagt ctctgctagt 300
 aatgagcccc ttgcctttgc ttctgtggc acagagggat ttcggaatgc caagaagggc 360
 acaggcatcg cagcacagac agcaggcata gccgcagcgg cgagagctaa acaaaagggc 420
 gtgatccaca tccgagttgt ggtgaaaggc ctggggccag gacgcttgct tgccatgcac 480
 ggactgatca tgggcggcct ggaagtgatc tcaatcacag acaacacccc aatcccacac 540
 aacggctgcc gccccaggaa ggctcggaag ctgtgatggg aaggaggcct gcacttggac 600
 ctgacctcaa gcctcagctc cagtgggacc ttgtaaaatg ctccctgtca gagctctcca 660
 gaatatgctt gttggagatc cttcaggcag taaggagagag ttttgcctcc ttacacagtg 720
 gcctttgctt gcacctccag ctggagatgg gtgtgcccc aagtaagct ttgcatctct 780
 tacaagaggg gagctacagg ggcagccgtg gcctaggccc aaactctgct ctgagaaaat 840
 aaatatctgt accacctgta aaaaaaaaaa 869

<210> 4803
 <211> 1628
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1629)...(760)
 <223> similar to gil263110 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4803
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 aaaccaggc ccctaggatt caagtgatgt tgagaggcag aaaggatgga gaagttgttg 120
 gcgccagcat gtggggcaag cagccagacc tcaggccctc actctaggct tcaaggtggc 180
 tgggcttgac ttctggccaa gggctgcttt ttccgcctg cggccacct gaggccagac 240
 cttgcctgag gaaagggcct gtggtggggg ggggaaagct caggcagaag gaagacgtgg 300

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ccaacggcca tctcctgagg aggttaattga gcagctcctg gttccggcaa gggcgggtggg 360
taaggagcca ggcccagagga agtcttaagg gtccccctct cacaagctct ggtggggccc 420
cctgctcccc tagccaactg ggttgctcaa ctgccttcta tgctccctcc tgaagccagc 480
ccctgggaga gaacatctga aggcaagaag gaaagagagc cctgcctaag cttcttcctc 540
cctgcttggc caagtgggag aagcagctga ggtcctttgt gtaactgagg aagcacggag 600
gagctggaat gcctaccagc tccgagaggg cacttgagag ggtctatgaa caaatctgtc 660
taaaagccac gtttgagcta aaagcatcag tccatccctc agccccagct ctgtgcgggc 720
caagaatcca gaaggcagca agcaaggcct atctcccaag cctggagggtg gttgtggagc 780
tgctctgcct gagtcttcag atgctggaat tcctcttgaa tgaagtccgt cagggccttc 840
cgcatctcca cagccgactt gttctccgcc cggagccgct cgagtacagg cagggcactg 900
aagggtcttc cgatcagcac agtgattttc tgtccaaagc gggggaagta gggcggactg 960
ttaggaagga cgtcattcat tccgacatgc cacaggggca ggatgatggg gttgagatga 1020
cactcagcaa tcaggcggcc gattccccac ttgaaacgca ggaattcggg actcatgttc 1080
actttccctt ctgggaagat atgcacccag tccccatggt tgagcttctc caaatgaaag 1140
tccatccccct tctggtagac gccatctcct ttctctcttc tttttccagc acctggcatg 1200
tgctctgcctg tgtctagaac acctttcccc tcattctctg cttggaaaaa ttctgctcct 1260
cggcacacag gcacacactt gcccaagctg aagaagtggg agtgtagctc cttggtgaag 1320
cagatgtctg cagctgcagg ggtccaacgc atcaacttca ggttccagat gtggcggagt 1380
ttcaggatcc cccagagatg agggctcgtc atgcaggact ggtgattgga cacgggtgatg 1440
aggggcgtgg ccgggcctcg cttctcgatg agctcgtaca gcacctccct gttgtgcacg 1500
gtcagggtgg tcatgtactt ggtccagaag cagctgtagg tgcccaccaa gcccatgacg 1560
acgctgctgg ccagggtcca ggtgagcggc ggcaccgcgg ggaacggcca cttcacgtgc 1620
agaggcat 1628

```

<210> 4804

<211> 1337

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1337)...(615)

<223> similar to gil420591 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4804

```

gaaccaaaaa ctgaagatta ataaaaacac atgactggag actgaatgta aatcctatgt 60
gactgaatgt gaattatatg ctttggggaa atactgatta ttccaaggct aggtgacact 120
ccctcattct tcccaaacc cctgggcccg gaagactgaa gaaaagtgtg gaagtcacaa 180
aaagtagaaa ataaactctt gtattgtagc acatttcatc acagcctgac taggaccagt 240
gctcgacttt ctggtggcag gggccagagc tcacggacac cactgacagt atgggggggtg 300
ttctgcttgg caccatgtct ggcttttttg ccagaagtcc tttgcagagc tgaatatccc 360
cttgccagcc cgccagctct ggctgggagg acttgctctt gggctctgcag cctgcatcag 420
gagcctccac tttccccagt gctggattat gcactctgct ctccagggtc caccttggtg 480
ctacagctgc atggcttcct gctccactga ctggttcgag ggtgccagggt acttctcctg 540
gatgccaggt gtggaagaga aatggaagtc ggctcccatt gcggcagaca tcatggcttc 600
caagcttcgc tgctcttggg ctctgaaaca gtatccattg gctttatcca cagcctgcag 660
gactcgctgg atgctctcct tgtctggat gttgagaggg ataaaggaga caaggctata 720
gtcttcgatg agctgcacta gcttctcatt gagctggcgg tagtggcgga agaaagggtc 780
agaagccagg tgggtcaagca ggtaggagag gtccagaacc tctgtgtagt agtccagggt 840

```


tgtacaggct	gcggttcttc	ttggtgttcc	ttgttgctat	ggcgtatgctg	cgcacccgtg	1440
cttccaggct	gggactgagc	acaacaccct	ccagcgcgtc	ctggggtcga	ctgaggagcc	1500
gccggctgac	ctggatgggg	tgccgcagcg	cctccagcac	cgtgatgcgg	gacgtctccc	1560
tcactagga	cggcttcccc	agccgagcct	cgatgaattc	caccgcacg		1609

<210> 4806
 <211> 1450
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (99)...(880)
 <223> similar to gi3859609 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4806	
cccagaggag	agcacgggca ggggtgtgctg gcgttggtgag cgggagtgtc agagacagaa 60
aggacaccaa	ggcgggggaga gcccaggagg catgagcagg cctgtttgcc gagcagagcc 120
tgcaggcctt	gcagcaggag ctggcttggg agtgtgacta ccgtcgtgag gcggcttgtg 180
cccagaattt	caggcagctg ctggcaaattg accccttctt ccgggtccca gccgtgggta 240
aggagctgtg	cacgacacgg gtgctgggca tggagctggc tggaggggtc cccctggacc 300
agtgccaggg	cctaagccag gacctgcgga accagatttg cttccagctc ctgacgctgt 360
gtctgcggga	gctgtttgag ttccgattca tgcagactga ccccaactgg gccaaacttc 420
tgtatgatgc	ctccagccac cagggtgacc tgctggactt tggtgcaagc cgggagtttg 480
ggacagagtt	cacagaccat tacatcgagg tgggtgaaggc tgcagctgat ggagacagag 540
actgtgtcct	gcagaagtcc agggacctca aattcctcac aggctttgaa accaaggcat 600
tctccgacgc	ccacgtggag gcagtgatga tcctggggga gcctttcgcc acccagggcc 660
cttatgactt	tgggtcgggg gaaacggccc gccgcataca ggacctcatc ccggtgctgc 720
tgcggcaccg	gctgtgtccc ccacccgagg agacctatgc cctgcaccgc aagctggcag 780
gggctttcct	ggcctgtgcc cacctccgag cccacatcgc ctgcagggac ctcttccagg 840
acacctacca	ccgctactgg gccagtgcgc agccagacgc agccactgcc ggcagcctcc 900
ccaccaaaag	ggactcctgg gtggatccct catgacagcc tccatggggg attcagtccc 960
cagagcaggc	cgtaccctgc tgtagtgcct cttatccctt ccccgctcgc cctgggtcag 1020
aggagcccc	ttgggcttcc cagtcttgcc tggctctcct ccttggccca ggagctcagg 1080
atccctgggg	ctggggaact cccaacttcg tgccctagat cctgcacctc cccactcgaa 1140
agtgggtatc	cgaaaactaa gccagggaag cggttaactt atctttgcca acatttgagg 1200
gagccttggg	ccgctgcatg tcgttatgca gatcagactc atcaggggga gccctcacct 1260
ctgcctcaag	cctcccgtgg aaggcgagat ggtcctggag gcagtcctca cctctgcctc 1320
cctcgtcct	ccaacagctg ccttctcccg ggttccagcc tctcagtgtg ttggaaaggt 1380
aggggtgcgg	ggtggggggg agctgaatct tcaatcgga taaaagcagc cctccccttc 1440
aaaaaaaaa	

<210> 4807
 <211> 668
 <212> DNA

00000000000000000000000000000000

```
<221> misc feature
```

$\langle 223 \rangle$ n = a, t, c or g

```
<221> misc feature
```

<223> similar to gil200072 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

tttttttttt	ttggatcact	caggcctcag	aatgaggctg	ctttattgga	agctattctg	60
acatcacttt	ccagactgtc	tcactgtctt	gggaccaggc	atgggaggca	ggggtgggaa	120
tcttcttgtg	attgtgggtg	gtggctggag	gagtggagtg	gtgggaggcg	gctcagtcgc	180
gggcactcct	gcgactggcg	gatgcggtcc	ggatggaata	agccttcagg	agcccaggac	240
ccgcactgct	ggagaagctc	agggcattgc	tgcccatggt	tccccgagg	gtcagcccaa	300
tgccaccgcc	actgctactg	ccaccagtg	aattcatcac	agctgggaga	gaaaagagga	360
gggctctctt	cagcgtgagg	ctccctacca	gggaccccat	cccttcactg	cacccacccc	420
tctgcccc	gctgccctc	tccctcacc	ctgccccct	ccatgggcca	accagaagg	480
agcatctgac	aggggtagg	ctgctcccca	ggtgctctg	gccccaccct	gccctcttgt	540
agtgcctccc	agggcattga	gcctggcagt	atgtgtcca	ggggacctgt	caatccctgt	600
agaaaggaag	gagtcctctg	gcccctccag	cgaattccac	cacnctgcct	agtggtnatc	660
gatctcga						668

<213> Homo sapiens

<221> misc feature

```
<223> similar to gi5052588 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

gagtggcggg	ggcatttgct	ggagactgag	cctggcgcg	aggctatggg	cagccaggag	60
gtgctgggcc	acgcggcccc	gctggcctcc	tccggtctcc	tcctgcagac	taacgtctgt	120
ttactcaacc	accctcttcc	tggccagaga	ggccttccgc	agagcatgtc	tcagtggggg	180
cacccagcga	gactggagcc	agaccctcaa	cctgctgtgg	ctaacagtcc	ccctgggtgt	240
gttttgggcc	ttattcctgg	gctggatctg	gttgacagctg	cttgaagtgc	ctgatcctaa	300
tgttgtccct	cactatgcaa	ctggagtggt	gctgtttggt	ctctcggcag	tggtggagct	360
tctaggagag	cccttttggg	tcttggcaca	agcacatatg	tttgtgaagc	tcaaggtgat	420
tgacagagagc	ctgtcggtaa	ttcttaagag	cgttctgaca	gcttttctcg	tgctgtggtt	480

```

gcctcactgg ggattgtaca ttttctcttt ggcccagctt ttctatacca cagttctggt 540
gctctgctat gttattttatt tcacaaagt actgggttcc ccagaatcaa ccaagcttca 600
aactcttcct gtctccagaa taacagatct gttaccaat attacaagaa atggagcggt 660
tataaaactgg aaagaggcta aactgacttg gagttttttc aaacagtctt tcttgaaaca 720
gatttttgaca gaaggcgagc gatatgtgat gacatttttg aatgtattga actttggtga 780
tcagggtgtg tatgatatag tgaataatct tggctccctt gtggccagat taattttcca 840
gccaatagag gaaagttttt atatatatttt tgctaaagtg ctggagaggg gaaaggatgc 900
cacacttcag aagcaggagg acgttgctgt ggctgctgca gtcttgaggt ccctgctcaa 960
gctggccctg ctggccggcc tgaccatcac tgtttttggc tttgcctatt ctgagctggc 1020
tctggatata tacggaggga ccatgcttag ctgaggatcc ggtcctgttt tgctgctgtc 1080
ctactgtctc tatgttctcc tgcttgccat caatggagtg acagagtgtt tcacatttgc 1140
tgccatgagc aaagaggagg tcgacaggta caattttgtg atgctggccc tgtcctcctc 1200
attcctgggtg ttatcctatc tcttgaccgg ttggtgtggc agcgtgggct tcattcttggc 1260
caactgcttt aacatgggca ttcgatcac gcagagcctt tgcttcatcc accgtacta 1320
ccgaaggagc cccacaggc ccctggctgg cctgcaccta tcgccagtcc tgctcgggac 1380
atttgccctc agtgggtggg ttactgctgt ttcgagggtt ttctctgtct gtgagcaggg 1440
ctggccagcc agactggcac acattgctgt gggggccttc tgtctgggag caactctcgg 1500
gacagcattc ctacagaga ccaagctgat ccatttctc aggactcagt taggtgtgcc 1560
cagacgcact gacaaaatga cgtgacttca gggaagcctg gacacccgag gcacctggac 1620
cagctatggg tagttctgtg ggtggaacac attctgtgta agagccccac tgagggtctc 1680
gcagcggagt gacagcaacc ccagagatga ggcaccagag agtgccactg catgagacac 1740
ctgtgaccat tcgaagtctg aaatgcgggg ggggagtttc atttttaagt gaagaccaa 1800
agccctttta aaataatagt tttttatcat tttatagtaa tcagcatttt ctcttttact 1860
aatatactca ttccttttgc gtatgattgg cctttggagc tacatgctcc acaaactgt 1920
atcttaattg ttaactgtta ataattatct ggcccagaaa aagagatgca gtgattttac 1980
ccttcacagg aatattgaac ttcttctgta aaagagagag agaaacctct ctctttcatg 2040
caccacatgg aaacagagtg tggccctg 2068

```

```

<210> 4809
<211> 1180
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1181)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1101)...(482)
<223> similar to gil381181 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4809
tttttttttt ttaaagtttg ttttgtgggt ttttttccat tttcttttgc taccagtat 60
atgcagcact tgtgaactcc caacagggtc ccagctttaa acacattaaa catcttgaaa 120
gactattgaa ttcttcaaga atctaaaaac agaccaaacg tgttttgctg tgaacattct 180
gtagagacga agtgaggcgg gagtttgggt tcatattttt taaaaaaaga atcaatatag 240
tgatggaagg gtaaagaatg caagaattca gacattctgt ggagggttac tctctctcca 300

```


094837.01100

```

agagtattat ggcctttgag ctccctctcct cgctgggtggc acacataagc cagaccccctg 1380
cggatgagct ccacagccca cgcataatagc tgggtcaaaat agtcagacgc atatgtgact 1440
ttgtaagggtg tgtagcctag ccaggctacc atgtcacaga tggccgtgaa gaacttttgc 1500
tcctccttct caggggttggg gtcatacaaaa cgcagaaaac agatgccatt gttggccttg 1560
gcatagccaa agttgaaaatt gatggctttg gcatgtccaa tatgcaggat tccattgggt 1620
tctggcggga accgggtacg tacctgcccc ccagtaatct ccagggtgctg ctttagtaga 1680
ttcatggtgt gtggagtac cacaatagcct ggggtcctgt agttctcacc aggcctgtgg 1740
aacttaaggg cctccccccg gagctgctcc atcagagaca gggctctggc agcagtctcg 1800
ccattctcca ccacatcctt tgccgtcctc cggctctgttt cttctagccg ag 1852

```

```

<210> 4811
<211> 2249
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (224)...(1447)
<223> similar to gi2911858 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4811
ccgcctggga ggggagcccg gctgccaggc gccagctgt gccagatgg atgggacaga 60
gacccggcag cggaggctgg acagctgtgg caagccaggg gagctggggc ttcctcacc 120
cctcagcaca ggaggactcc ctgtagcctc agaagatgga gctctcaggg cccctgagag 180
ccaaagcgtg acccccaagc cactggagac tgagcctagc agggagaccg cctgggccat 240
aggccttcag gtgaccgtgc cttcatgtt tgcaggcctg ggactgtcct gggccggcat 300
gcttctggac tatttccagc actggcctgt gtttgtggag gtgaaagacc ttttgacatt 360
ggtgccgccc ctggtggggc tgaaggggaa cctggagatg aactggcat ccagactctc 420
cacagctgcc aacactggac aaattgatga ccccaggag cagcacagag tcatcagcag 480
caacctggcc ctcatccagg tgcaggccac tgcgtgggg ctcttggtg ctgtggctgc 540
gctgctgttg ggcgtgggtg ctcgagagga agtggatgtc gccaaagggtg agttgctgtg 600
tgccagcagt gtcctcactg ccttccttgc agcctttgcc ctgggggtgc tgatggtctg 660
tatagtgatt ggtgctcgaa agctcggggg caaccagac aacattgcc cgcctattgc 720
agccagcctg ggagacctca tcacactgtc cattctggct ttgggttagca gcttcttcta 780
cagacacaaa gatagtcggg atctgacgcc gctgggtctgc ctgagctttg cggctctgac 840
cccagtgtgg gtccctcattg ccaagcagag cccacccatc gtgaagatcc tgaagtttgg 900
ctggttccca atcatcctgg ccatggtcat cagcagtttc ggaggactca tcttgagcaa 960
aaccgtttct aaacagcagt acaaaggcat ggcgatattt acccccgta tatgtggtgt 1020
tggtggaat ctggtggcca ttcagaccag ccgaatctca acctacctgc acatgtggag 1080
tgacactggc gtccctgccc tccagatgaa gaaattcttg cccaaccgtg gttctacttt 1140
ctgcacgtca gaaatcaatt ccatgtcagc tcgagtcctg ctcttgctgg tgggtccagg 1200
ccatctgatt ttcttctaca tcatctacct ggtggagggt cagtcagtca taaacacca 1260
gacctttgtg gtgctctacc tgcctggcagg cctgatccag gtgacaatcc tgctgtacct 1320
ggcagaagtg atggttcggc tgacttggca ccaggccctg gatcctgaca accactgcat 1380
cccctacctt acagggctgg gggacctgct cgggtactgg ctccctggcac tctgcttttt 1440
cactgactgg ctactgaaga gcaaggcaga gctgggtggc atctcagaac tggcatctgg 1500
acctccctaa ctgggccccg ctgggtccat ttgctcatta gaatttcctc tcacatcagt 1560
gggatacaga attcagtttc tcccttgcca ggtccttggg atggttgacc cctgcctctg 1620
cagtagcctt ttgtgagtct gctaaggtag ctctcacaca cctcggctct ggggttgata 1680

```


<210> 4813
 <211> 1690
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1691)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1640)...(1351)
 <223> similar to gi5771451 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4813

tttttttttt	ttcagatttc	acgtgtat	ttgctaaa	tgaaagct	caggatcc	60
attggtgta	ccagtttg	ctgaagc	atacaata	caacagt	gctctgg	120
tttcaagc	acactcca	caagtgg	gtctggc	attcatt	gcttttt	180
agggtaag	attcacac	aagaga	ggctaca	gctccaa	tgggcc	240
actctgg	ttttgtg	cctagag	cagaaa	catctgt	gaagctg	300
ttgcata	aaatata	agttaca	ttccatc	gacagata	cagtata	360
cgttagg	acacaga	ctggtct	ctcctgc	ggcccat	cctgcc	420
ggtctgg	ttcactg	tgagggt	ggaactc	cctgctg	gggctc	480
aagaagg	gtttgg	gcccgc	ctcccat	cactgtc	gtgatg	540
tgttgt	tctgtct	ggacagt	gtctatg	tcttctt	aacagt	600
gacccag	ggcatct	ccccaga	acatggt	caagggt	aggtgt	660
tatgggt	gagcccc	tcctggg	caaggca	gtcaatt	ccctg	720
agaatga	gggaact	gctcctt	ccaaaga	ttggaag	cattgt	780
aaagtgg	gtgtggg	gagcaca	tgcacaa	cccaccg	cctggc	840
cagccct	atggttt	tctttgt	tgtagtg	acagaag	cccga	900
gccacct	agcatgg	acctgct	cagatac	caaggct	ctttgt	960
ttgtgct	ttttggc	gacgtta	ggctgaa	ctgtggg	gaaatg	1020
gaaggag	gatacca	atgccct	acgcagc	gtcaac	ctgag	1080
gggcaag	ggtagg	gctcagg	aacctg	tgtaggg	ctgctg	1140
cgcagcc	tctgca	agaagt	gcctcc	caacg	gacctg	1200
aggcgca	gtggagg	gtgtgg	ggttgcc	gcaccc	ggcctt	1260
cagagtc	gtcggaa	tcttctt	tcttgtg	tggtgt	tctgc	1320
cccctgt	gaggaat	gccacgt	taaagat	gtagaa	gttgcaa	1380
cgatggt	aaagaag	aacaccc	cggtttg	agcccat	gagtact	1440
cgatggc	gatggag	gcaaagt	tgagggc	ggtgac	cgcagga	1500
ccatcat	ccagc	ccctgcc	tgcat	ctgcat	tcagcaa	1560
ggaagt	gcccag	aactcc	gaggcg	gagga	gatgct	1620
acgccac	gcagata	gtgga	nccgc	cgagt	tcaggt	1680
ttncnng						1690

<210> 4814
 <211> 1228
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1229)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1170)...(206)

<223> similar to gi3687829 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4814

tgcggccgct	gttaccacct	cagacactgg	tctaagtcca	gggcagcctg	ggatccctac	60
tcctcttgac	cccaaaggcc	agcaacgtgg	gctgacaccc	ctccccgggg	catctttgga	120
cgggtcctgc	atccagcagg	gatgtggtca	tctctgtcct	ctcagggcct	gggagccagc	180
gggtctggcc	gagtgttagg	gtggcttcct	ggtctccttc	cttagcaggg	agctggccac	240
agccaaggcg	ccccctgca	caaacctcac	gaagttgtcc	ccggccagcg	gccccatggc	300
gtacaggccc	tcctggcggg	tgtcttggtg	ggtgaagggg	tccacgtcaa	tggggttcct	360
cttggcgctc	agcggctggt	caggatccac	tgcaaagtca	gcccctgccc	caggcaggaa	420
ggagaggtcg	gggtgggagc	cgatgaggac	cagcaccagg	gagaccccaa	acaccttctc	480
gacaccctcg	aggtcctgga	acacggcctg	gcagtcttcc	ttgaagcaca	gcagctggtg	540
cctggggagg	ctgcggtaac	cctcataggg	gctgggcgac	aggatggact	gctcccgcac	600
catctggtgc	accttgtggt	actcggggta	cagcatcttg	ggcagctggt	tgaacaccag	660
gccagggtcg	tccacggccc	ggcgggaagg	atggatcacc	gggatgttgt	agtggcgggc	720
gtagaggacc	gcgtcggccg	ctgacagccc	cgcgccaatg	atgaggacag	ggtctgaggc	780
cggggtcacc	gcacccaccc	ttgtggcggc	ctccagggca	gacagctcat	ggtggatgaa	840
gggcagggcc	tccccgggga	tgcccagccg	ggccgggctg	tcgaacgtgc	ctgtggcgag	900
gaccacgttg	cgggcccaca	gcgagaaggg	ctgctggggc	tggttcctgg	tcaggaagcc	960
gctcacctgg	aagagggggc	tggagtcctg	ggccccacag	ctgctgggat	cgggggtccc	1020
ccactccacg	gctgtgacta	cagcaccgga	cacaaagtta	tgccccagac	ccttcttgac	1080
cacgtagtcc	ctgtagtagt	gggcgatgtc	cccggcagtg	gcccggctgt	tgcgaagacc	1140
tcttcgcttc	ttctgcatcc	agtccttgac	ctccgaattc	caccacactg	actagaggtc	1200
tacagtgggn	ntcaggncng	gacccct				1228

<210> 4815

<211> 1387

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1388)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (891)...(668)

<223> similar to gi5734463 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4815
ttttgttgtt taacttttctc tctttttttt ttttttcaaa ttactagaat tttaattagc 60
caagggatag cagctggagg agaaataaca aaaaaataca tcttaagaat ccttaagtac 120
agtgcataatt tacaatttaa gtgtcataatt ttagaaggcc actgtccatc agctcagtaa 180
atgtaccagc ttctaaagcc atgatgccat aggtccattt gttgatgaaa ttcctaccca 240
ctgtcctcgg ggcatctgac tctgggtctc tgcactgggc atcaagagga cgctgctcgg 300
tggtttaagg gcttaacacc ttacagggtta acactgttaa cactggccct tggaagccca 360
ggtgcttttc tccatgaaaa cttccacctt ggtagctcag ccgacataga caacacacaa 420
agcgagctc tgcacttctg tccttatctt cacacagtga catccacacc aggtggccaa 480
acagaagaga aggcagaggc ccaccaagag ctgatgctgc gcagtccttg ggggatcatc 540
ctccggtctc actggggagc aacccagggt ctggagcctc tcccctgaca gacagcttgt 600
caccggcact tatgggtcct ctgggatttc agacaatacc caacttctgt aggttcagaa 660
agtgttttca agcaggcagt ggcacccaca cccggtggga cacacctct gggtcaggaa 720
ccactccatc atgtggctgg tgtggccacc gtgccacag gtcaggcaga aattggacga 780
tccccgcaca gccacgtgac agatggcaca ctggaacgtg aagcctttgc agatggcaca 840
ctgcgtgcca cggacctcac tccggcagt gctgcagtac acgccgaact cgatcccttt 900
gtgaggggtca ggaggacagg agacaaactt caacacttca gctcgcttct ctctcagacc 960
ccaacggtag aggatttccc catagcatit cttaaagtca tcaaattgct gggatttggc 1020
gggggtccagg agcctttttat ttttatcatg ctggtcgcgt tctcgctcac ggggatcact 1080
gtaggtcaga ctcccaaagc ggagctcttc tgggtaggat tctccccaag gggaggacaa 1140
gtgctctgcc tctcttcccg ctgaagaaaa tcaaattgga aggggaagatg gcaatcagag 1200
aaggcatgga aaatatctga agagtctcat aagacagcat gtggccaatg gatttcccag 1260
aagaaatgtt aagcgaggct gaatatctg agaaatataa ctaaatagaa ctctctccta 1320
cccttgccga attccggcgc gctgggtgag tgggtccacga tcnctggcct aggggtctcg 1380
atttccc
1387

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<210> 4816
<211> 2526
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (34)...(1147)
<223> similar to gi5305327 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4816
ccctgatgaa cattaggcca gtgcggtgga attcctctct gcgcatctga cggaaggacc 60
ttcctttccc gttgtgaatt tcttcgtgcc ttgtgcaaag atccccagct agagattgca 120
tatcgaggaa actgcaaaga cgtgtccagg tgtgtggccg aaaggaagta taccaggag 180
caagcccgga aggagtttca gcaagtgttc attcctgagt gcaatgacga cggcacctac 240
agtcagggtcc agtgtcacag ctacacggga tactgtggtt gcgtcacgcc caacgggagg 300
cccatcagcg gcactgccgt ggcccacaag acgccccggt gcccggttcc cgtaaataaa 360
aagttacccc aacgcgaagg cacaggaaaa acagatgatg ccgcagctcc agcgttggag 420

```


actcagcctc	aaggagatga	agaagatatt	gcatcacggt	accctaccct	ttggactgaa	480
cagggttaaaa	gtcggcagaa	caaaaccaat	aagaattcag	tgatcatcctg	tgaccaagag	540
caccagtctg	ccctggagga	agccaagcag	cccaagaacg	acaatgtggt	gatccctgag	600
tgtgcgcacg	gcggcctcta	caagccagtg	cagtgccacc	cctccacggg	gtactgctgg	660
tgcgtcctgg	tggacacggg	gcgccccatt	cccggcacat	ccacaaggta	cgagcagccg	720
aaatgtgaca	acacggccag	ggccccacca	gccaaaagccc	gggacctgta	caagggccgc	780
cagctacaag	gttgtccggg	tgccaaaaag	catgagtttc	tgaccagcgt	tctggacgcg	840
ctgtccacgg	acatggtcca	cgccgcctcc	gaccctcct	ccttcgttca	gggcaggctc	900
tcagaacccg	acccagacca	taccctagag	gagcgggtgg	tgacttggtta	cttcaaacta	960
ctggataaaa	actccagtgg	agacatcggc	aaaaaggaaa	tcaaaccctt	caagagggttc	1020
cttcgcaaaa	aatcaaagcc	caaaaaatgt	gtgaagaagt	ttgttgaata	ctgtgacgtg	1080
aataatgaca	aatccatctc	cgtacaagaa	ctgatgggct	gcctgggcgt	ggcgaaagag	1140
gacggcaaa	cggaaccaa	gaaacgccac	acccccagag	gtcatgctga	aagtacgtct	1200
aatagacagc	caaggaaaaca	aggataaatg	gctcataccc	cgaaggcagt	tcctagacac	1260
atgggaaatt	tccctcacca	aagagcaatt	aagaaaacaa	aaacagaaac	acatagtatt	1320
tgactttgt	actttaaatg	taaattcact	ttgtagaaat	gagctattta	aacagactgt	1380
tttaatctgt	gaaaatggag	agctggcttc	agaaaattaa	tcacatacaa	tgtatgtgtc	1440
ctcttttgac	cttggaatc	tgtatgtgtg	ggagaagtat	ttgaatgcat	ttaggcttaa	1500
tttcttcgcc	ttccacatgt	taacagtaga	gctctatgca	ctccggctgc	aatcgatagg	1560
ctttctctaa	cccctgcagt	cacttccaga	tgctgtgct	tacagcattg	tggaatcatg	1620
ttggaagctc	cacatgtcca	tggaagtttg	tgatgtacgg	ccgaccctac	aggcagttaa	1680
catgcatggg	ctgggtttgt	tcttgggatt	ttctgttagt	ttgtcttgtt	ttgctttcca	1740
gagatcttgc	tcatacaatg	aatcacgcaa	ccactaaagc	tatccagtta	agtgcaggta	1800
gttcccctgg	aggaaataat	attttcaaac	tgtcgttgg	gtgatacttt	ggctcaaagg	1860
atctttgctt	ttccatttta	agcttctggt	ttgagttttg	ccctggggct	tgaatgagtc	1920
ccagagagtc	gttcggatgg	tgggaggctg	cctaggaggc	agtaaatcca	gtcacagtgc	1980
ctgggagggg	cccatccttc	caaaatgtaa	atccagtcgc	ggtgtgaccg	agctggctaa	2040
caggcttgct	tgcttggttt	tcctcctaca	cgtggacatt	attctcctga	tcctcctacc	2100
tgggtccccc	cagggctacc	ggaaggtaaa	atcttcacct	gaaccaatta	tgagcagtct	2160
ccttactgaa	ggtacagccg	gatacgtgg	gccccgggg	ctgggtgttg	cagccggggg	2220
gaggtgcctg	agggtcccca	cggttccttt	ctgcttttct	gaatgcatca	agggtacgag	2280
aacttgccaa	tgggaaattc	atccgagtgg	cactggcaga	gaaggatagg	agtggaaatgc	2340
ccacacagtg	accaacagaa	ctgggtctgcg	tgcataacca	gctgccaccc	tcaggcctgg	2400
gccccagagc	tcagggcacc	cagtgtctta	aggaaaccatt	tggaggacag	tctgagagca	2460
ggaacttcaa	gctgtgattc	tatctcggt	cagacttttg	gttggaaaaa	gatcttcatg	2520
gccccct						2526

<210> 4817

<211> 1384

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1386)...(1091)

<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4817

ggcgagagc gccacgggca gtgtggctgc tgccccccag gaggcttgag gatgggtctc 60

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actgctctga aaagacacaa ccagaatggc ctggggctca ggcccttggt tgagtgggaa 120
tgcgttggga ctgcccagct gagctatcag tcacgtgacc ctgatgccag gctctccagg 180
gaatcaggag gaaaagccca ggtgctcttg acaataatgt ggtgctgct gccctgtggg 240
ctccctaata cccagagggg cctgttcagc aaaaggagca caagcagggtg agcctgcac 300
ctagtcttga ccatgcactg tgaggctggg aacaaccac caggccacct caccacaaaa 360
atgcagctac gttggtcaca gggtgaggat ttgtaagaaa gccacaata gaatttgctg 420
agtgcgccat gcagagcaac cagacaaggg gatgaagagg gtgaggagggt tggctgctgg 480
gaccagggtc atgactgcag gggcaaacca gggcctcacc tttccaggcc tccatcctcc 540
aggtatcgga attccgtatt ggtccagggt gaaaacttct ctagaatata ggagagcaga 600
cccacaggag agtcattcag agcagagcct ggcggggagc ggggagcaag ggagagactc 660
aggcctgggg accagagagc tggagcttca ggtgtgatgt gtggcactgg ccgcagaggg 720
cggggctgtg tgcaggaagc cacgttcgag cacaggcctg ccttaactcc tgggtgctca 780
catgcctcgc ttccttaact ctgcctcggc atcctcatct gataaacagg gacgatacct 840
tcccactgtc tcccaggggc tggcacactg cctgctcagc ttccttcaaa ctgaaggggc 900
tacgcctctg catttggtgg ggtcccaatg agaagtgtctg tttttaaaaa ggcgggggtt 960
ttcagtctat gtgctctgat tcatgaaaaa tgagaagcca cctaaaaaag tctaaaaatag 1020
gggatcagtt acaaatattg atatactcat aagccaaaat actgtacagt cattaaaaat 1080
ggctggaaca ggctgggggc attggctcat gcctgtaatc ccagcacttt gggagggcga 1140
gaaaggtgga tcacctgcgg taaggagttc gagactatcc tggctgacat ggtgaaaccc 1200
catctctatt aaaaatacaa aaaaattagc agggcatggt ggtgcatgcc tghtaatcca 1260
gctacttggg aggctgaggc aggcaaatg cttgaacccg ggaggtggag gttgcagtga 1320
gccgagatcg taccactgca ctctagcctg ggcaacagag caagactctg tctcaaaaaa 1380
aaaa 1384

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<210> 4818
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (701)...(415)
<223> similar to gil783301 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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```

<400> 4818
tttttttttt ttgttgcaga tagaaacttg tgctttaata tatctctggg tgtgtgagca 60
tgagtgtgtg cgtgtgtgca agtggacag ctgtctccag ggcctcagt cctggcctct 120
gtccttggtc tctgtctcat cttgcagcca atgcaggccc cctccctggc gggccggccc 180
tgccctggg caccocagct ggcgggggtc agtctttggt acaatgtgga cactttggtg 240
tgccgggggc aagggttggg gggtgccac acagctctca tcatctctgc aacgccaaga 300
ggaagatggc catggggccc cacagctgtg ggttgactg gcagggggct cactgcccg 360
gcatcaccac cactttattg ggatccgtct gcttccggg acactcccc ttcttcagt 420
tgacgtcatc tatggcaata tccccagggt agcccgggc tcgaaccccc tcaaaaataa 480
tctggaaggg cccactggg ctgatgggca catgggcctg ctgccacaca ttgcccttat 540
tgccactgag agaccaggcg tgcgtgtcca gagcccctt gttccgggac cgcaccagga 600
ggttgaggga gccgatgtgt ttcccgta tgtggtagaa gaaggagaca cagtagaact 660
ttggcgctgg atttgagagg ggactcacta accttggcac 700

```

<210> 4819
 <211> 1410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1411)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (768)...(945)
 <223> similar to gi310100 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4819

tttttttttt	ttactttttac	ataatctcat	ttaatttaac	cctcacaaca	accctgtgag	60	
gtaggtat	gtccat	ttt	acaaatggag	aaatcgaggc	acaaaagatt	aaacatctta	120
ccaaagtctg	cacagccact	tatatgctgg	agctagaatt	tgaacccagg	tgtgcctcca	180	
ctttttaata	ctagaccaat	cttttcacgg	gggaagtttc	ctagattaac	accctcacat	240	
cttttaagac	cattccaaaa	cctgcgttct	gttttgca	agccctcact	gtgtttctgc	300	
tgccctgaaa	cagtggaggc	agacaaaggt	gagtgcgaag	tgaggaaacca	taagaagtgg	360	
tagatctctg	tggagtgcc	taagaaccct	caagagcctt	aacaaaggta	gttgggggag	420	
aggggaagag	gtgtttcagc	agctctgctc	ccagcagcca	tttctctct	ccagggcaaa	480	
gggggtggggc	tgcgaggcca	gctgaccaag	aaacccctcc	agctcctcca	gtccaagtcc	540	
agcatctttc	ctacaactat	tctgccttcc	acttcgtctt	cttccttgcc	tcactctatg	600	
tcatggttac	ccttaccaac	tggttcaggt	aagatggagt	gggccttaga	tactctcctg	660	
aagagctagc	tattttaagg	aaagagcaat	tcaaggccat	tccagacaca	catgggtctg	720	
ccattatatt	tgggtgaggag	gtagaacagg	tctaaaagct	aaggcccttc	atattctcta	780	
accagagcct	ttggttacac	agctatgagg	gagcagaact	ggaaaagacc	ttcatcaagg	840	
gtagctgggc	caccttctgg	gtcaagggtg	cctcatgctg	ggcctgcgta	ctcctctatc	900	
tggggctggt	actggcacca	ctctgttggc	ccccaccca	gaaaccccag	ccccttatct	960	
tgaggcgccg	ccgccaccgc	atcatatccc	cagataacaa	atatacctcca	gtctaagtcc	1020	
ttttcacaaa	ctgggggttcc	cctgacattg	tactcctaga	gttgggtcaa	ggggagctgt	1080	
ccagcccagc	tcaataacctc	aaggacacac	agggagttat	ctccgttttg	gctgaagtca	1140	
atactatgaa	ctggaagaag	tgggtcaaaca	cagtctaata	tgctgggcag	agtgtctgac	1200	
tactggagc	tactgttaca	tctgcatccc	agctcaagag	cctaacaccc	aaatcagcag	1260	
ctcaaagaac	caccgctgat	cccagcagac	agtgtgcacc	agccctttcc	tggctcttgg	1320	
gcttcttata	tccgtgtnc	agggctgaac	tccttatttt	cctttctcca	naggcagagc	1380	
cgagtcttca	gtccctgttg	gtctttcccc				1410	

<210> 4820
 <211> 382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(92)
 <223> similar to gi203992 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4820
 gttgcggggg gtgtcatcaa agcagtgagc aagaaggctg ctggagctgg caaggtcacc 60
 aagtctgccc agaaagctca gaaggctaaa tgaatattat ccctaatacc tgccacccca 120
 ctcttaaatca gtggtggaag aacggtctca gaactgtttg tttcaattgg ccatttaagt 180
 ttagtagtaa aagactgggt aatgataaca atgcatcgta aaaccttcaa aaggaaagga 240
 gaatgttttg tggaccactt tggttttctt ttttgcgtgt ggcagtttta agttattagt 300
 ttttaaaatc agtacttttt aatggaaaca acttgaccaa aaatttgtca cagaattttg 360
 agacccttag ttctaatacg ga 382

<210> 4821
 <211> 1050
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (103)...(622)
 <223> similar to gi2145020 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4821
 caattgatac acctatcaca tggataccag attcactgga ctgactatta caacgtcggg 60
 actgggagac cagaattcgg cagcagggca gccacaagt ccctggccgg agcagagctg 120
 aagacgtca aggactttgt gactgtcttg gccaaagtgt tccctggacg gccgccagtc 180
 aagaagctgt tggagatgct gcaggagtgg ctggccagcc tccccctgga caggatcccc 240
 tacaacgccg tgcttgacct ggtcaacaac aagatgcgga tttctggaat attccttact 300
 aatcacataa agtgggttgg atgtcaagga agccgatctg agttgagggg ttaccctgtg 360
 tctctctgga aactgttcca cactttgact gttgaagcct cgaccacccc agatgcactg 420
 gttggcacag gctttgaaga cgacccccag gctgtgctgc agacaatgag gaggtacgtt 480
 cacaccttct ttgggtgtaa ggaatgtggt gagcactttg aggaaatggc taaagaatcc 540
 atggactcgg tgaaaacccc agaccaagcc atcctctggc tgtggaagaa gcataatatg 600
 gtgaacggcc gcctggcagg tgagaagccc ctgggcatgg ggggctcagc acgggaggag 660
 ggaggccctg gtccctgggac agcaaggacg gcacggctgc cgtggggcct gtccctgagc 720
 tttgcggcct cgtgccaccc actgtgctga cgggatcagg acttgggtgg ctgagagctg 780
 ccagagctgc agcctttccc aggtctgttc tgtccccggc tttctagatg cttctctcac 840
 tccgggggct cttcgacccc gtggaaatgg gtgtggctct tttttcccc atcggtaccc 900
 actggtagcc cgttagactc tgaagatgtt tttgactctg gaaagcttgg aacgtaatta 960
 atttttgatg aggaatttta gtagtatgga aatctgttgt ccaaacgtaa accaaacctc 1020
 tcaaagtgct ttgttttgggt aaaaaaaaaa 1050

<210> 4822
 <211> 2342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2343)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2065)...(656)
 <223> similar to gi2734081 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4822

tttttttttt	ttcaggatta	gatacaat	ttt	aataatagtt	caattccaaa	ataaaagtta	60
ttgtaggtaa	gacatgaaa	tttcctaaca	cttgatttta	atacattg	cg	ctaattttct	120
aaaacaactc	agaggaaccc	atatttacag	taggcagaat	atztatgaaa	aaaatctggc		180
atcagggtata	tttatatata	tgtatgtgtg	tgtatacgta	tgtgtgtgta	tatatatgtg		240
tgtgtgtgtg	tgtatcccga	gattatatga	actaagaaac	aagttgtgta	tcttaacagc		300
agtactagag	cgcagagttt	cagacttgga	tttataaatg	ctttcaacgt	gtggtgtttg		360
gaaaaggaga	agacatcatc	tgattttcaa	aacctgaagt	ttttctcagg	actgaagtca		420
aaatcgtaac	tgccacagag	ggaaaaggga	agcttttccc	cttaattggt	catctgcgtc		480
agaaagtcca	gtatccctga	gataggaacc	actgtaatta	gaagattgga	atgaacaggt		540
tttccccaaa	ggaagattgt	ttgttgctga	attatgccta	ctgccctgat	catcagggtat		600
aaactttgca	tcttccaacc	taatgcttgg	cagcaccaag	acgtttcagt	aatggttcat		660
cataaacc	gcatttcca	ttttcatgaa	ataaccttgt	ctcccactga	atttccttct		720
ccttcctttc	tgggcttct	gctctttgtc	tttcttcaag	cctgtgcttt	gcttcagttg		780
ctgcatcaat	gtctctgatt	tttaagttga	aagtgcacac	cttccaaagg	ctgcgggatt		840
catactcggt	ctgatcttcc	aacttcctca	ctttcttctt	gattataggc	aacttcttgg		900
tatctacaaa	gactgtat	ttcccctgtt	catattttgc	atacatcaca	ccattccatt		960
ccccttcaat	tgagcaaaaa	gacttcttgt	catttgga	aaaaatctcg	gcagtaattc		1020
tgtgcttctt	gcccccatag	aagggtttag	tgtggaagat	gatatttgca	ctatagcctg		1080
ttttggaaca	attaatattg	catttctctc	ctaattccac	ccagggcact	gtgaggatag		1140
accttccata	gccattgggg	aatgtgagaa	tgtaatgttc	atcatagtct	agacatgaga		1200
cacagccctg	ccctatgttg	tgcccccaaa	ttgacatccc	aagggaat	ttt	gatttgggtcc	1260
agatatgagc	attgaattgt	atcttcttgt	taaaacactc	agcataaaaag	gctgaaatgg		1320
gtggatgatg	ggaaacctgc	tcagccacaa	atgttacact	gtttttggaa	acccagggaa		1380
ctggctcttc	tgaaactagt	tctgtgttct	cttcagtatc	atttggtaat	gtccaatgac		1440
actgaaaaat	ctgcgccaaa	atgggattgt	atggcttttt	ggcaactgat	cctttccttc		1500
ccgcatgaaa	ggctgagagg	taccattttca	caacctgaac	cattcgatcc	ttgggatcct		1560
tctggtcact	aatgtctaca	aacagggtccg	gatgtgcaaa	aaagtctgca	tacatttcta		1620
aaagagatct	tctttcaaga	ataaacgttg	gaagaactac	cttagtaaga	tccattccaa		1680
gtctaacctg	cgacaagaga	tgcatgataa	cgctcttgtg	ctcctccaca	gaccctgcct		1740
ccgcatcatc	atctctgtca	tcatgtgaat	caaacagggtc	agcatcactt	gttccattgg		1800
acaaggaaga	attaagtgat	tctgtggtat	ctgggcgttt	tagactat	ttt	cccagagctgc	1860
tgtgtgtcag	gactgaggca	gatccagaag	aatctattaa	gcgctttggg	gatgagccac		1920
tttgatggaa	ttcatcagca	tcataaaatt	catcttcaact	gctggagtaa	gagaactctg		1980
ggactgtatt	tggagacaag	ttcacgtggc	ttggagaagt	gagactgcta	ctcggtggtg		2040

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aatggccact gctgtacta tttggtgtag gagtctgatg atgtcccaag gtagccaaca 2100
caggtccaac tggtagggaa gatggacgct gctctgactt acacaactga acaggttctg 2160
gaggtaacac agtctgggaa ggcattgtgc tgatcacagg ttccaaagga ctaggttgat 2220
atattgcac tacgggatta atagtactta taattccatc tgcgtgattc accgcattac 2280
tctggtcttt cgcaatccgc ggacgcgtgg gcgacccggg aattcgnggc nggttctcac 2340
ca 2342

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<210> 4823
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(560)
<223> similar to gi4263745 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 4823
cttatgcttc ttgctccccg agggctttctt tgcccgcgcc ccctttgcca ggagttaata 60
gcagcagtga aactccaccc ccgctacccc ctaaatcccc cagcttccgg gccccaccgc 120
agaaggccgg tgcgcaggcc ttgcccggcc cgctgcccc tccgggctcc cagccgttcc 180
tgcagaagaa gaggcattggc cgaccagggg ccggtggggg aaagctaaat ccacctccag 240
cacccccctgc gagatcacct accacagagc ttcaagcaa gagccagcag gccacagcct 300
ggacccccgac gcagcagcct ggaggtcaac tgcgaaatgg aagcctgcac atcattgatg 360
acttcgagtc taaattcacg ttccattctg tggaagactt tccgcctccg gatgaatata 420
aaccatgcca gaagatttac cccagcaaga tccccagaag ccgtacacct ggtccctggc 480
tccaagcggg agcagtcggg cagagctctg atgacatcaa aggcagaaat tctcagttat 540
ctctaaagac tcttcggtga gaaggcagat gaagcgaagg tcctgggggt ccaggttgca 600
gaacaacatg tcagacccca cccaccccat gctcaagctg taattcagtt ggcatacagg 660
cttggaattg agaattttatt tattgtaaat atgtgatttg cacgggcttt aaagcagtat 720
ttaaattgaa aaaaaaa 737

```

```

<210> 4824
<211> 1096
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(206)
<223> similar to gi4038076 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4824

gagatttttga	atgtgaagaa	tgtcatggtg	gtagtatcac	gctgggtatgg	agggatttctg	60
ctaggaccag	atcgctttta	acatatcaac	aactgtgcc	gaaacatact	agtggaaaag	120
aactacacaa	attcacctga	ggagtcattct	aaggcttttg	gaaagaacaa	aaaagtaaga	180
aaagacaaga	agaggaatga	acattaatac	ctgaaactat	aggaaagggt	aatttgccta	240
taattatata	tacattccat	agtcattcaag	gaatatattg	tgcagagaga	gtatccttga	300
ctgcttaagt	cagccagttc	agcatggata	ccaacattag	cttttcttct	tggttatatc	360
atctgcaaaa	aatagagaac	ttatgatcta	ttcatgtgtg	tttcaggctt	atttgggaga	420
actaatttga	acttaatcac	catttcatct	aatttttagca	aggtaacagt	tgcccagggc	480
agtacctgga	attaactgtc	catttcagta	catgtcaagt	gcctttgtta	ggtggagaag	540
aaatgtctct	agaggaatat	aaataacctga	tttctctggtc	atcgagattc	ttgtactgtt	600
aaatgaatat	tgctttttac	tgctctttat	ggcttatttg	aataggagct	catttaagat	660
tgatcttgga	gagtttcttc	ttgtgatttt	agttcataag	tatgtcacct	ttcattttat	720
agtgttcac	attgagtaat	ggattaagt	aaaatccagg	agtatccatc	tgcatgttatg	780
tgctgaggtg	ataattcatc	caacatatatt	gttagcataa	atattatgct	tcagtttctg	840
ttgcaaatg	gtgattgtga	aattacagaa	agtgattttc	tagtctgctt	tttttgttta	900
attcttgtaa	tgtaagcaat	aaatatggag	tgtagtagt	ctccttccac	cccagaaatg	960
tggttggtga	acattctcgt	ttcttttaac	aacctggaag	tacctttctt	gtgatcttca	1020
ctgaggaatt	agaactatga	tagaagttag	gctgtggcaa	atgggacatt	cgtagagtgg	1080
gatagaggtg	gcagat					1096

<210> 4825

<211> 1084

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1087)...(777)

<223> similar to gi438373 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4825

tttttttttg	acaagtaata	ttttttatta	ttgaaaaata	cacaaagggtg	aaagggttgct	60
gagcagctga	ttttccatag	tacaacagag	tattataaga	aagagggaaa	tgtatctggt	120
atatatggca	gtttacattt	ctaaggcatt	taggcttaag	agcactaggt	cttgcacagc	180
taggtgcatt	gtcttgagtt	taaatatact	gaggcacacc	aggcaggcaa	aggattcaaa	240
actatacatt	aaaaccttgt	tcatgcattg	gtgtcttagg	attttattcc	ctacctcct	300
tattcatttt	tttcccacaa	tggggttttg	gagttgttca	tagaacactg	gaaataatcc	360
gactcttcaa	gagttttgtt	acaatgacaa	cacccaatgg	gacacaccaa	acagaactac	420
ttcacagata	cattctggtc	tcttaccaaa	atgaagctcc	cagtaagaaa	aacactggat	480
ttgcaaggc	acagtggaga	caggtttaat	gcattaaata	taacatgaat	cattcacaat	540
aacaagtttc	gtgtttcagg	gaacttttgt	taatacaaca	cagttgggtca	cacaaaatac	600
aaatgcttct	gttgatttgt	cttggcaact	cagatacatc	aacagtgcta	acagtttaac	660
agctttgttc	tcattctgaca	gaaaataatg	gcagttctgc	aaggcaaatg	ttaaacctga	720
ccgtatgtat	ttattagttc	cacagtgttt	tgacagatta	taggagatgg	aactcagagg	780
atgctgacac	gctcaccgag	ggctttcatt	tctgtttctt	cagtctcagg	agtgtcactg	840
tggctagcac	ttggattgat	caggtgtgtg	gggtactgca	gccctgctc	gcctgcatac	900
ttctcccacc	tcaggtcatc	actttcatgg	gtgatgtagc	gctccccgat	tttgcattcc	960

agctctcgca	aatctaacca	ggtctgatag	tcctgtagcc	aaggggtggct	caaggtctta	1020
tccacactgt	agcgctttct	catttttact	tgagcaaat	tggtgataag	atcaatggct	1080
tcat						1084

```

<210> 4826
<211> 1749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1750)...(607)
<223> similar to gi3283879 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4826						
cccccttttt	tttttttttg	aaacaaagtt	ttaattttta	ttttacatat	ttatacataa	60
aactttcaag	gaaccctctg	aatccaacag	aatgttaata	gcacatctaa	aaaggaactt	120
caggtagtca	acattcacaa	aatggtgaaa	actgagtaaa	atatacatat	tacggagagc	180
tacaacttca	ctacgaggca	ggcatgtatt	ttttgacttg	tatagcaccg	tcattttacag	240
ttcttcttta	aaactacagt	gaagaatgaa	aagtagtcaa	tgggaaaata	ctgttccaac	300
ttaaaatctc	taaacaaata	aaaataaagt	taaaactact	ctctttttatt	aacctgatt	360
tgtggtggtg	tcagtactgt	acattttttg	taacaatatt	ttattaaaat	gcctgatatt	420
aagtggcaca	agtaaaaaat	taaaataaat	taagaagcaa	aggccaatca	ctggacatta	480
agcttcagac	attatcaatg	actaacactg	atatttgttt	ctgcgccacc	tttagcaaca	540
gcatttttac	aaccacagaa	gcaaaataaa	ttctagcttg	ttctctgggt	gaatggcttc	600
ttttcacttt	gcaggcattt	tctctgccat	gtgcttctgc	tgactttcag	catgtctggt	660
caagtcttca	atgtccacca	gcatggcatc	ctgctctgtg	tgagctcat	ctcggatgag	720
aagcagctgg	accaactctt	cattcaagct	ttctatctgg	gaatggagat	cattgactat	780
cacttgtagc	tgcccaatag	tcatgtctct	caggtcggtg	ggtttttaac	ttcttttcat	840
caagcattca	cttatatgag	gcatgtgtgg	cagaagatca	gcgacgggag	actttttcct	900
gttctgtttc	tccacttcta	cttgcathtt	ggccattggt	ttggccatgg	caagggccat	960
tttggttcca	gcttgcaatt	tcttttgctt	tgtaaggaag	tccatgtcat	ccaaggattc	1020
agactcctct	tcagtagtgt	ctctatcaga	ataggaagaa	ctctgtttgc	tcatgggaga	1080
caaggggggtg	tccaagctgg	tttcagtctt	actgtcatca	gcatcactgt	ccttatcact	1140
gccactgtcg	ttgacaaagc	atatctgcaa	gttcatccca	ctctgcagtc	gggaggaaag	1200
gcttggtctc	ccacttttgc	tacagctggt	ataaattcct	gggccatcat	caaagaagct	1260
tccaagtgcc	aacttctgtc	tgatagactc	tctctcattt	ttctgtgcgg	aggtggagtt	1320
ggtcctcgcc	tggccctggt	tccgtacctc	ctgctcccgg	aactgcagcc	cggccagatg	1380
cttctccagc	gcctcccaat	ccataggtgg	caccgggggc	tcttcgggga	cgcacgtccc	1440
gccgtctggg	ggctgaaggc	agagcccccc	agccgcccgg	ccgcggccac	tgcgcgggcc	1500
cccagccggc	tggggctttt	ggatcgcccc	gcggggggcc	cgggaacagc	tcggccggcc	1560
agccaccacc	acgttgccat	tgtgcctgag	gtcctggggg	tcgtgctggt	ggagggtgcc	1620
gttgggcacc	ggggggcgga	tggcggtggt	ggcgctcctg	ccccgcgcgc	cgcgcgtgcg	1680
ggtcctggcg	cttacgtccc	ccggttcccc	ggccggagag	cgggtcatccc	ggtaccctcg	1740
ctggtcgcg						1749

004375.013100

<210> 4827
 <211> 2301
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(820)
 <223> similar to gi306714 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4827

aagaaattgg	ccctccagaa	aaatgtat	ttt	tgtgagaaat	gtgaaggtgt	tgggtgggaag	60
aagggatcgg	tggagaagt	g	cccgtgtgc	aaggggcggg	ggatgcagat	ccacatccag	120
cagatcgggc	cgggcatggt	acagcagatc	cagaccgtgt	gcatcgagt	caagggccag		180
ggtgagcgca	tcaaccccaa	ggaccgtgc	gagagctgca	gcggggccaa	ggtgatccgt		240
gagaagaaga	ttatcgaggt	acatgttgaa	aaaggtatga	aagatgggca	aaagatacta		300
tttcatggag	aaggagatca	ggagcctgag	ctggagcctg	gtgatgtcat	aattgtgctt		360
gatcagaagg	atcatagtgt	ctttcagaga	cgaggccatg	acttgatcat	gaaaatgaaa		420
attcagcttt	ctgaagctct	ttgtggcttc	aagaagacga	taaaaacatt	ggacaatcga		480
attcttgta	ttacatccaa	agcaggtgag	gtgataaagc	acggggacct	gagatgcgtg		540
cgcgatgaag	gaatgccccat	ctacaaagca	cccctggaaa	aagggattct	gatcatacag		600
tttttagtaa	tctttcctga	aaaacactgg	ctttctctgg	aaaagcttcc	tcagctggaa		660
gctttactcc	ctcctcgaca	gaaagtgagg	attacagatg	acatggatca	ggtggagctg		720
aaggagtttt	gtcccaatga	gcagaactgg	cgtcagcaca	gggaggccta	cgaggaggac		780
gaagacgggc	cccaggctgg	agtgcagtg	cagacggcat	gacgtggtgc	ggggcagcgt		840
ggccccaccg	gactagcaca	tgatgaatgt	aaagttggca	caatgaaaat	gacatcgctt		900
taatggcctt	gtgtttggga	tgtcctgtgt	atgtgttcaa	cattcttaat	tgtgagtggt		960
ctttttggct	tttcttttgg	ttgtaactta	agttatagct	taatttatat	ttaaagtgtt		1020
taagtataaa	tcacctctag	tctgcatatg	gaatctgttc	atctctat	tcaggatata		1080
cttttgagat	gtcagtgatt	gcaccaacac	tttgtgcttc	tagtggcttt	gccataattc		1140
agtgtcacca	ataaggcaca	gccagtttag	cagcttagcc	cccctagcaa	accccaaggc		1200
acaaagtggg	catcctgact	catctctagg	tctgtggttt	ctccccctct	cccttggcag		1260
agttattgag	ggcatgatct	cagggctgct	aagataacat	ttctgaggat	tctagatgat		1320
cctcttaaag	aataaaaagca	catccgtgga	tccgacatgg	ctgcatgtgc	ctgcttaaca		1380
gggccaaactt	agttcctact	gttctgtgcc	cttcagtggg	tggaaacgtga	gtgtctgatc		1440
atctctcttg	gaagttttct	gaaccttcca	agctctgtgg	tgaggacaaa	ccagtgtttg		1500
aatcatatgc	tgataactgt	ttgcctgtga	ccctcacacc	ttgttcttca	gggtttta		1560
gattttctgt	tgacaacttt	tgcaatgctt	tcccaccaa	gtgcttactt	gtaaagaaaa		1620
ctaaatcctt	ctgtgtcccc	ggcagcctca	gtgcagcaac	agaagccaag	ggagaatgct		1680
gctggtttgg	cccatggcac	agccagcttc	tctgaccagt	aatccggggg	gacttgaggg		1740
tctgcaaagg	catagaactc	cccagtgttt	tccacctcat	tctcccagat	tgagctccct		1800
tccaaaggat	cgttcctctc	attgcacagc	catattacaa	agggtttctc	gctcaagtga		1860
tgttttggta	agaacttcgc	tgagttccac	tgtggattac	agtttgtatg	gactactact		1920
gtaaattata	gcttgtttgg	agggatatta	gtcattat	tattcatgac	aggtagacta		1980
caattcgaac	ttagggttac	ctcagtcctt	agccattact	gcttatttct	tttccccaag		2040
tcacaaaaaa	cttgtaagct	gctgggttaa	agcagaggcc	acctgtcaga	tctaccctac		2100
ccttatttgg	ttacatggca	cctgagagtt	tactcagac	caggggatct	tccttaggga		2160
gggggtcaaag	tggcagatca	ggaccatggc	agggtaaggt	ggaaccaggc	tggcacggga		2220
ccaggtttcc	ggcaaaacat	tggccagcta	gtgagggcat	aatttggctc	aaagtataga		2280
aacaggccac	ctggtggcca	c					2301

094828-01100

<210> 4828
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (165)...(242)
<223> similar to gi5912043 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4828
cttatagcaa aagcttttta cttttagagc tatttatccc aagaactggt tattacacag 60
aaaattacac tttcacaaaa tattttttgt tatgctttga gcttatgtaa atgttttata 120
cttacttaac tttatttctg ggctccacca aggctatgag aacagatgat gcaaaagaaa 180
ttatgagaca cagtttcttc tctggagtaa actggcaaga tgtatatgat aaaaaggtaa 240
gatttcttta tggcatagtg tgtatatatt ttggctgcac tgctaaaatg aatttattgc 300
caaaattatt ttaagtgaat aaaagttaat gatgtaatga tactttccat tttaccgaca 360
tttaagtgat tattgaactt ctgtgcacaa aattttactc atgattttga ctccccaat 420
gcctcttgag attttgctca acatgatcac agaatttttc tatttttttc ccataataat 480
ttgtttgcct ctcatatttt ctttaatttt aataaagata ccaagtgtta atttttcttt 540
aagaaaacta gttaaaattt tttaattttgc ccttatgtct ttaattttta agtgaacact 600
tcagattcat ttatacaaat ccttgtttta aaagaaattt aaagaaattt gtttttaata 660
tttaatgaag gtagtaaaca cagtgtctta ctttggaactt ctctgtcatt tgaaacagaa 720
ctttattg 728

<210> 4829
<211> 2015
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1991)...(1716)
<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4829
gcgttggaat tcgtcttatt cgaggaactc acatacccca aataaccatc agtgcacaaa 60
tcattccatg ctctttggca ccaggcagga gatgctgcag gcagggtgtcc gtagttggca 120
aaaatgggca gtaggggaaa tggagttgct tcaacctttc tcagtcccg gacctactgc 180
accaccaag tcaagcagag ctgggtgggc tgagaccagc atcccagctg gactgagcct 240
ggggggaggg gctggagcca aggagcccc ctgggtgggg gcatcaggag caggggcagg 300
gcctgaggac tgctccccct gcatggaggg caggccagga tggagcccag ggtagacttt 360

gaggaaaggct	cagtgggctc	agcagaagga	aggctcttct	catagttgtg	gtttttcaca	420
gatggatttg	ggtgatctga	gtgtggtcag	gccctgccgt	tggggaatga	atgccacacg	480
gggtttgtct	gtaagctgca	gtgtctgtga	ttctgtgtga	actgacagca	gggagctgaa	540
ggacaggccc	cggccttggg	agaggacacg	ggcatgggct	gctggatgca	gggctcccag	600
ggctgtgaag	gcagaggggt	ctctggaggc	agacaggggtg	ggctgggggc	cagcagcagg	660
gggcagagcc	ccagccaggg	cagctgcttc	ctgcacatag	acatttctcc	tgcgcagggc	720
caagtgccca	tgagcacagc	cccagacaga	cacggtgggg	agcttgagac	cctccgctca	780
cctagaggag	ccctgggaca	cgcaactggaa	agtattctag	gggcttcctg	ccttatcctt	840
ctgtttgttc	atacacttag	tgaaagcaga	tcttgtacta	ggatgtgagg	atatctgtca	900
cctgcgtggt	ccattccata	aacaccagat	tccatttcag	ttgccacaca	ttttggggct	960
agacttccct	aaacaacatg	ccatttgtgaa	ataatgcata	tattttgtatt	tttaaatttc	1020
cctgaaaact	taatctattc	tgttccatat	gaagtctggt	tcactacctt	aaaaaataga	1080
tactcacta	gaggctgtgc	ttaattcaaa	tccatgtgtg	tgcctgcatt	acatgtgtga	1140
acacgtgttt	ctgtcgtgtg	tgtcatgcac	atctgtgtgt	tgcatagcat	aagccaaatg	1200
aaaatcattt	gttcatggga	ttcatatgag	gaacaaaatt	gaatttgaat	acagtcagat	1260
aactgccacg	cagggcattt	ggggaaccat	ccccgaatgc	cctgatgtga	tttccctcag	1320
aaaatccttg	ttattagagg	agaaggtctg	ggcaggggca	gcagcatctc	agacatcaag	1380
tcaactttat	catctactac	atcagcactg	aagtccaggg	gcattgaggc	actaactagg	1440
ttccattttc	tttggtttgg	ttacttattt	tttctttttg	ggttctcggt	gtgcagaggc	1500
tgtaaagaga	gcctcagggc	ggtgaccgct	gcaggaattc	ggccctccag	ctccctcca	1560
gttaccagga	gccgatttgg	aggccaggcc	ttcccagctg	agtgtctgtc	agcttcattc	1620
tctctcagct	gtgcagggga	agagcaacaa	cagacagggtg	accttcttgg	gttgtgtctc	1680
acaatggact	gggaaaaaca	tctttgaaat	caggaaatca	ggcggggcgc	agtggctcat	1740
gcctgtaagc	ccagcacttt	gggagggcga	ggcgggtgga	tccattgagg	tcaggagctc	1800
aagaccagcc	tggtcaacat	ggtgaaacct	cgtctctact	aaaaatacaa	aaaaaaaaatt	1860
agctgggcgt	gttggcgga	gcctgtagt	ccagctacac	gggaggctaa	ggggggagaa	1920
ttgcttgaac	ccgggaggcg	gaggttgcag	tgagctgaaa	ttgcaccatt	gcactccagc	1980
ctggggcgaca	gagcaagact	ctctcaaaaa	aaaaa			2015

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<210> 4830
<211> 2501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(872)
<223> similar to gi386852 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4830						
ggcacgaggt	accctgggag	aaaaaaattt	accctactgt	caactgtcaa	ccactgggaa		60
tgatctcact	gatgaaaagg	cctccagggt	tttcaccttt	cggatcatca	cgaatagggg		120
aaataaaaga	agaaacaact	gtaagtccac	cccacacttc	catggcacct	gcacaagatg		180
aagagcggga	ttcaggaaaa	gaacaagggc	atactcgtag	acatgactgg	ggccatgaaa		240
aacaaagaaa	acataatctt	ggccatggcc	ataaacatga	acgtgaccaa	gggcatgggc		300
accaaagagg	acatggcctt	ggccatggac	acgaacaaca	gcatgggtctt	ggcatgggac		360
ataagttcaa	acttgatgat	gatcttgaac	accaaggggg	ccatgtcctt	gaccatggac		420
ataagcataa	gcatggtcac	ggccacggaa	aacataaaaa	taaaggcaaa	agaatggaa		480
agcacaatgg	ttgaaaaaca	gagcatttgg	caaqtcttct	tgaagacagt	actacacctt		540

ctgcacagac	acaagagaag	acagaagggc	caacacccat	cccttcccta	gccaaagccag	600
gtgtaacagt	taccttttct	gactttcagg	actctgatct	cattgcaact	atgatgcctc	660
ctatatcacc	agctcccata	cagagtgatg	acgattggat	ccctgatatc	cagatagacc	720
caaattggcct	ttcatTTaAc	ccaatatcag	atTTtccaga	cacgacctcc	ccaaaatgtc	780
ctggacgccc	ctggaagtca	gttagtgaaa	ttaatccaac	cacacaaatg	aaagaatctt	840
attatttctga	tctcaactgat	ggccttttct	aatttaagtg	gctatgggta	tttctttcat	900
actttattaa	agtatcaata	tccctctctc	cattgtccag	atgaaaatat	cctgatataa	960
tgcacaaaaa	accatgcagt	ttcggaacag	tctaaagaga	agtggtgaga	ctcccagtg	1020
agacaccatc	agtctccacg	gactgcataa	aattgtgtgc	cacaattcta	actcttttct	1080
gaatcttctt	cccaagtttt	ctaaactagc	acagtaaaca	gacaaactaa	tgtgccgtat	1140
ggcctgctgc	aattggcttc	tctgataaca	aatatgtacc	ttacaacata	tgtcatgaat	1200
ttgcatacaa	agattcttgt	cattcttaat	aaactgtggc	acttgggtatt	tgaatgtgtg	1260
tgaaaataag	ggaagtcaag	agattaaatg	ctgaacttat	taatggaata	gaaataataa	1320
ggaggctgag	gctggagaat	tgcttgaacc	cgggaggcgg	aggttgagc	gagccgagat	1380
cgtgccactg	cgtctccagc	tgggcatcag	agcaagattc	tgtctcagaa	aaaaagaaaa	1440
aaaaagaaat	aataagaaaa	acttccagat	ttcaaagtaa	caagaaagaa	gacagggttg	1500
ccaaagggag	gaaagggggg	acataaatta	attgactttc	tattcccaaa	atgggctagt	1560
tatatcaaat	aaatactccc	actgcccttt	ctgagtgaga	gtgttttctc	taagtcaaaa	1620
atTTctgttt	actcatTTaAc	tactctttgc	aacaggcttt	catatagaag	tattctgttt	1680
atTTttgctg	agcctagatt	gagtaattct	tagtttacag	aagctccgag	cttaatgata	1740
aggatgaaaa	gcagagggag	caatatagaa	gcaggcttgc	taataaaaact	ttttaaataa	1800
ttgacaaggg	aatattatgg	aatgtgatgc	aaagtttggt	ccgaaatttt	atgaggaaat	1860
tactctctag	tctcacttta	tagtcttttt	gctatgactt	tgaagaccat	tgatttttga	1920
gaagcagaat	aataggattg	cctttcattg	ccctatagtg	caaagaaggt	atatgcttta	1980
taaccaatgt	tgtacttttg	cctagaaaaa	caagatatgg	ctttaaatag	ctacaatcat	2040
ctttggatgt	atatgtcact	gctgcttcaa	gttattggat	gcatttgaac	ctctgagttt	2100
gtctttcatt	ttaaatattg	tctgttcttt	taaataaaca	accacagatg	tcaggaaaaa	2160
gtcttaacct	gtcaactggg	tgctccactt	tttaaaaatg	attgaatgat	aacatcatat	2220
taactgcgtt	ttactatact	tacagagtca	cctaagggtc	tgcgagtaca	agggtcgacc	2280
cccaaaggca	ggggcagagc	agtcactctg	ggaggggagg	tctcttggac	caatggggca	2340
gaatctttca	ctccagggca	cataggcccc	aaccacctct	ggccaggcaa	ccttgaggag	2400
ggaagggaca	aggaaggaaa	gatgggatag	aattttaaata	gagaagaatg	ccattttatc	2460
actctggcct	ctgggtgaaa	taaagatcag	tcttgatggt	c		2501

<210> 4831

<211> 1456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (33)...(766)

<223> similar to gi2618596 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4831

gtcgtagacc	atagtgcattg	aggcggaatt	ccccgcggc	catgaggga	tacattgcct	60
ccaagcaccg	actggggctt	tccagctcgg	ccctgccgg	cctcaccgag	gccgaaagga	120
ggctgctcaa	gggcacggtc	gacttctgcg	cgctcaacca	cttcaccact	aggttcgtga	180
tgcacgagca	gctggccggc	agccgctacg	actcggacag	ggacatccag	tttctgcagg	240

acatcacccg	cctgagctcc	cccacgcgcc	tggctgtgat	tccctggggg	gtgcgcaagc	300
tgctgcggtg	ggtccggagg	aactacggcg	acatggacat	ttacatcacc	gccagtggca	360
tcgacgacca	ggctctggag	gatgaccggc	tccggaagta	ctacctaggg	aagtaccttc	420
aggagggtgct	gaaagcatat	ctgattgata	aagtcagaat	caaaggctat	tatgcattca	480
aactggctga	agagaaatct	aaacccagat	ttggattctt	cacatctgat	tttaaagcta	540
aatcctcaat	acaattttac	aacaaagtga	tcagcagcag	gggcttccct	tttgagaaca	600
gtagttctag	atgcagtcag	acccaagaaa	atacagagtg	cactgtctgc	ttattccttg	660
tgcagaagaa	accactgata	ttcctgggtt	gttgcttctt	ctccaccctg	gttctactct	720
tatcaattgc	cattttttcaa	aggcagaaga	gaagaaagt	ttggaaagca	aaaaacttac	780
aacacatacc	attaaagaaa	ggcaagagag	ttgttagcta	aactgatctg	tctgcatgat	840
agacagttta	aaaattcatc	ccagttccat	atgctggtaa	cttacaggag	atatacctgt	900
attatagaaa	gacaactctga	gatacagctg	taaccaaggt	gatgacaatt	gtctctgctg	960
tgtgggttcaa	agaacattcc	cttaggtgtt	gacatcagtg	aactcagttc	ttggatgtaa	1020
acataaaggc	ttcatcctga	cagtaagcta	tgaggattac	atgctacatt	gcttcttaaa	1080
gtttcatcaa	ctgtattcca	tcattctgct	ttagctttca	tctctacca	tagctacttg	1140
tggtacaata	aattattttt	aagaagttaa	actctggggc	tggaacgctgt	ggctcacacc	1200
tgtaatctca	gcactttggg	aggccgaggc	ggggagatca	cctgaggtga	ggagttcgag	1260
accagcctgg	cccaacatgg	tgaaaccatg	tctctactaa	aaatacaaaa	aattagccag	1320
gcgtgggtgac	agtggcacct	gtaatcccag	ctacttgga	ggctgaggca	gaagtttgaa	1380
cccaggaaac	aggttacagt	aggccaaaat	tgcgccactg	cactccagcc	taggcgacaa	1440
cagcaagact	gtgtcc					1456

<210> 4832

<211> 1486

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(401)

<223> similar to gi3805821 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4832

aacctcgcat	ttgagaagac	cgtgaaaata	aggatgacgt	tcgacacctg	gaagagctac	60
acagactttc	cttgtcagta	cgtgaaggac	acttatgccg	gttcagacag	ggacacgttc	120
tccttcgaca	tcagcttgcc	cgagaagatt	cagtcttatg	aaagaatgga	gtttgtctgtg	180
tactacgagt	gcaatggaca	gacgtactgg	gacagcaaca	gaggcaagaa	ctataggatc	240
atccgggctg	agttaaaatc	taccagggga	atgaccaagc	cccacagtgg	accggatttg	300
ggaatatcct	ttgaccagtt	cggaagccct	cggtgttcct	atgggtctgtt	tccagagtgg	360
ccaagttact	taggatatga	aaagctaggg	ccctactact	agtgactgca	ggtgacaggg	420
cgtggcgagg	ctgccacaga	cacacctagc	tctgctcact	gtgcagtgga	gatggaaggc	480
caggaggagg	caacgtggaa	cttccatgag	gccccgtttg	ggaaaataaa	aggatcctct	540
tcacttcttt	cttaaacagc	aaatccagcc	aggttcagat	tacacaacca	gtgtctcact	600
caaaggagca	gtggtggctg	gcgcgctttc	gcactgtggc	agccacgaga	gtctgtgcac	660
gtctgtgctg	gaaaggggat	ggatgggaat	caagcctatg	ccagtgtctga	tgaagctgga	720
ggagtctctc	ctctgtctctc	cactcagatg	tgggacatca	gtcgccaaaa	gccactcagc	780
cccagccacc	tcgcgtgaga	ccctcactgt	tcattgtgtt	catctttgag	tgctctctgc	840
cagccaggcc	tttctgcaa	gctgctgtgc	ttccccgtcc	acgtgtatct	ctgctgtgac	900
acactgacct	gacgcacatt	tccagtgcag	ctgcagaaga	gaaatgggat	tggctcttgt	960

tttctgcaag	ttcatgtttt	gcatttttatg	ttcttccaca	attgatctga	tgttcaggaa	1020
aagataataa	aggcaaatta	gttagtggtt	gagacaggca	tttctctctc	ccgcttcttg	1080
actccacaga	tatattccag	cagagagcaa	cacaccagtc	atcaaaaccc	actggctcct	1140
gtgcggtgtc	acagattgca	gggttctgac	aaggcaggac	agtcaagagt	ggggacactt	1200
tcagcttcta	cttttgccct	ctagggggag	ctttctaagt	ccccacattt	accccgagtc	1260
accggaaaaa	tctgattttt	ccccgaaaag	ctcaatgact	ttaacgtgct	tggctgggtt	1320
gtctcattct	ttatgaaaaga	attttggggc	cgggcgcggt	ggcttatgcc	tgtaatccca	1380
gcactttggg	aggccgaggc	aggtggatca	cgaggtcagg	agatcgagac	catcctggct	1440
aacacggtga	aaccctgtct	ctactaaaaa	tacaaaaaaa	ttagcg		1486

<210> 4833

<211> 1736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1278)...(715)

<223> similar to gil537070 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4833

tttttttttt	ttaaaagtaa	ttacaaatta	agaattttatt	tataagtttt	catctttttta	60
gaaataaaaa	ggcttaaaaa	acaaaatggt	tgcaaaaatg	gttaagtagt	tttgttatat	120
cctaattgct	taggtgtgct	ctgtaaaattc	caaataagta	aaataatata	aaaatacatt	180
ttcatatctt	tatagaacaa	aaacaaaaca	ttaaatgctt	ttggattttc	tttactcctc	240
ccacagatga	gttcacaaat	acaaaaactg	gtgtacattt	atactcaagt	acaaatctcc	300
aacagccaag	taattatagt	ttgttctggt	atgtgcaaag	tagattattt	catatttact	360
tggtatggaa	agcagagtac	aggctcaatg	gacaataatc	attaaacaca	gattatgttt	420
aagaaaatgc	tgttgtaaaa	atgtacaata	gtacatacaa	ttttggtaat	tatgcacttc	480
ttttaaagta	aatacagctt	ttagatataa	atctttcaaa	ggttttcttt	gaagagctgt	540
gaggtgacta	tttcagattt	gatgaacagt	aatttgtcag	taaacttctc	aaaaaaccaa	600
tccaagaaag	aattgttttc	ttttccctc	catgtggctg	gtttcattct	taaggaaggt	660
ctgatgcagt	aagaagatgc	atttcacaaa	cctttacaca	agtttgtgaa	ctgtcaacta	720
aagacaccac	ctctgatgtg	gatggtttca	ttcaatccat	gttcgaccag	ctttatatct	780
tctagatcgt	ctttaatgat	gctaatacaa	tggctaaggc	cttcctgttg	ttgtttcaaa	840
tgctgcttga	tttctcgtaa	cagatctgca	tctatgtaat	acctttcttc	agatctgact	900
gctccaaaat	gattctgcat	cctgatttga	gacatcaatt	catttagtcg	gcccttgaac	960
tgagtaggtg	catttagttc	accctgaatc	gtatccagct	gaactcgcaa	ctgctcttca	1020
tcagcctgaa	tggcataaacc	actcttcctt	tgaatttcct	gtttgattag	gacctgtaaa	1080
gttctatggg	aaagatccat	gagtttcctc	ttgtattgtg	caattttggc	tacagatgta	1140
gtttgattct	tttgtagctc	actaatatct	tcagatatga	tatctaactc	ggtttgatgc	1200
tgcttagtca	tctgatcttg	aaccttcagt	cttcggagaa	gttccttaaa	acccaccatt	1260
ggtacaggaa	ttaacctgaa	gaaacgcagt	gaacaatttt	cagaccttaa	gcctattact	1320
acaaaataca	agaagtgaag	gttttagtaa	cactcatgta	attttacatc	aactttctag	1380
ggctataagg	cagatctatg	actatgagat	aaccatgtta	taccaaagag	attttattca	1440
acctccctat	tttacaaatg	aggaaataca	gttcagtcaa	aacattacat	tattaaatga	1500
aaacgcaaat	agaattttcc	gctcctagtt	agttctcact	atgctatgct	gccttaccat	1560
aatctttttt	ttttcttatt	ttttcttttt	tgttttggct	gaagctttag	ctggacaata	1620
atcaatatatt	tttaaaggcc	aggaaaatga	aaataaactt	gcctcatatg	taagaattat	1680

aattaatagc tcccatgttt gctttcctag tagcaaatat tagttcttaa atgaaa 1736

<210> 4834
<211> 1231
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1232)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (865)...(462)
<223> similar to gi4469186 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4834
ccccctcgt tgttaaacc cggcccgagg attttatttt gggggcccca aaaaaaaat 60
atttctctcc cagcccccg aaataaaatt ggatccccta aaacggcccc cccttttttt 120
tttttttctc tgaaataatg tttattccac gctgtcccga cagccccctc tgcagggtccc 180
ctcgggtgtac tctgagggtg gaaaccctcc ctgggggagg tgaaggggaa ctcggggccac 240
ccccccagcc agcagatgct ccagcagcca gagccccagc ctggagctga ggctcttcct 300
ggggctcggc gggccccctg aggccttttc gaccctcagc cagcccggtc tcctctgctt 360
tgggcagcag caagctggcc cttgggcacc tggactgctc accagecgcc cagccatggg 420
tcctgctctc cagggttcct ctagcagatc catctctgtc agagcaaggg actcaggcct 480
ggaccatctt ctgggctgtc actggggctc tcagtggcca tcccagctct gcgctggccc 540
ttctggagcg tgtaggcaga cggccccagc cgcaggatct tcccgtgccc caggcactcg 600
tcccccttgt agaacacagc aaactgtcct gtggcaaggg cagcacagc ctgcacagct 660
gtcaccacac cgggtgccat ttgattgagg gtcagcacac agggcactag tgccatctgg 720
tggcggaatc ggaagtggca ctccatcatc ttgtcccga ccagtgtgct gggaggctcc 780
tccgcaatcc agtgacgag gctgggtcctc agcagggtccc tgtacagggc tgggtggtct 840
gtccgggggg cctgcagaat ggaatgtgaa ggtgggggag ccgaggggca cctggcccca 900
aggccggcct cagtgtggtc cctgggaaca actgtcctac cagcacacac acacacaggt 960
aacggtgctg gcaccgctcg aagtgttcta cccacagaaa ttcatctcat caccgcccgg 1020
gcctttgaat ccccatttta cagatgagga gactaaggcc caggaaggaa gtaccatgtc 1080
agagtgggca agaggcagg gtgagatccg agcccatgac agtgaatgct gcagggtcaa 1140
gtctgactca ggccctctac ctgcaaccac ctgtggggca gcagcacggc ccccttnann 1200
cnnaattcc ggaccgagac cttgcagcgt c 1231

<210> 4835
<211> 1501
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1502)...(478)
 <223> similar to gi5442098 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4835

tttttttttt	cagctacccat	tggtttttatt	gttactgagg	ctgtcagtg	cgcttgggaag	60
cactaacact	ttttccatt	tctgcctca	gcccatttca	caggtgagga	aatctgaggc	120
tcagtgagg	acttcattcc	ctttcatctt	ggtaaattcc	attttaccag	gggtggggct	180
gggtcgctct	ttatcggtgc	ctggctttcc	tcttcccagg	ggtgcagtta	ggggaagagt	240
ccatttcccc	tgtaccctca	tttagcccca	ggattgccct	gccccaaaaga	tgacactcct	300
gccccagtg	tcttgatgg	gaggcctccc	agccttccca	agcaatggct	gtaatcctgt	360
gggtacagag	tctggctggg	gatcctgctg	ctctgctggg	agggaggagt	ttggcctcat	420
tgggagactc	ggtccttgcc	ccatcggtac	cggtgcctg	gagtccacct	gcccctcacg	480
gagagatttc	tggcctcttg	tcttgaact	ctattctgtc	ctgctcctgg	ctctccagcg	540
gctccaggtg	gctgtgcttg	tcttggaaca	tctttcccgg	agtctttaga	aatctgaaca	600
ggagtttctg	ccccggttcc	ttcttaatga	tattaagctt	ataatagtgg	cgaggggcac	660
gagacatctt	ctcgtaggtc	atgttcaccc	ggttcttggt	atttccccag	agtctggcga	720
gcccatttgg	atccacaact	cggaagatct	tggcgctcct	gtcttcccac	ttgatgtagg	780
gctcatatcg	ggtatcaagg	agcagctgat	acacgtaatc	ccacagcagg	cggcagtcag	840
cgatcctgcc	gtcaatgggg	gcctgcggca	tgcgggggaa	ggaacagacc	ccctgggtcc	900
tgcagccgag	ctctgcacag	tgacataagt	tgagggactc	ctccttgcca	gggggtccacc	960
ttgccaggcc	aggtcatcc	aggtggccga	agttgctgg	aagccctggg	tctggtggct	1020
gcagcaggtg	gccccttcgg	gtgtccatct	gagaggggcc	agtcacctct	tccgggggga	1080
ctggagagtg	ctgggtgggc	gtcttcagcc	tgaagatccc	tccaaaaaag	ggccacaca	1140
ccagggctcg	ccgctgggtc	ttgatgtact	ggagcagctc	atacaggacg	tcacctgagc	1200
tgggcgcacg	gtgcgggaag	tctgcttggt	tgaggatgca	gagggcgcgt	ccgttcatct	1260
cgaacccgtg	ctccgcggtg	catggcagag	agtactcctg	ctctgcccag	cgagccagt	1320
gcagcacgtc	ctccctgctc	cacagtgcgg	gctggatgcg	gagtcttctc	ggcagcttgc	1380
agatcccccc	ttcacccagc	aggttaat	gagcttcaca	tctggcttgc	acgtgggtgc	1440
ctaggggagg	catggctgcc	acagggctta	taggagaaat	agccaattct	ccctcctgca	1500
t						1501

<210> 4836
 <211> 5532
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(3662)
 <223> similar to gi3043716 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4836

ctccaacaag	gtgtccagtc	gggtgacagc	agtgtccttc	tctgaggatt	gcagctactt	60
------------	------------	------------	------------	------------	------------	----

tgtcactgca	ggcaaccgac	acatcaaatt	ctggatatctc	gatgacagca	agacctcaaa	120
ggtgaatgcc	actgtgccct	tgctgggccg	ctcagggctg	ctgggagagc	tacggaacaa	180
cctattcact	gatgtggcct	gtggcagagg	aaaaaaggcg	gacagtacct	tctgcatcac	240
gtcctcaggg	ctgctgtgcg	agttcagtga	tcgaaggctt	ttggacaagt	gggtggagct	300
gagggctctac	cccagagtgga	aggatagtaa	ccaggcctgc	ctgcccccca	gttcctttat	360
tacctgctcc	tcagacaaca	ccatccgcct	gtggaacaca	gagagctccg	gggtgcatgg	420
ctccaccctc	caccgaaaca	tcctcagcag	tgacctcatt	aaaatcatct	atgtggatgg	480
gaacacccag	gccctgctgg	acacagagct	gcctggagga	gacaaagctg	atgcatccct	540
gttgatccc	cgcgtgggca	tccgctcggt	gtgtgtcagc	cccaatggac	agcatctagc	600
atcaggggac	cgtatgggca	cacttagggg	gcacgaactt	cagtcacctga	gtgagatgct	660
gaaggtggag	gcccatgact	ctgagattct	gtgcctggag	tattctaagc	cagacacagg	720
tctgaaactg	ctagcatcgg	cgagccggga	ccggtgatc	catgtgctgg	atgccggggc	780
ggagtacagc	ctacagcaga	cgtcggacga	acactcatcc	tccatcactg	ctgtcaagtt	840
tgacgccagt	gatgggcaag	tcgcgatgat	cagctgtgga	gcagacaaga	gcactactct	900
ccgcactgcy	cagaagtctg	gagatggagt	gcagttcaca	cgacacaccc	acgtggtgcy	960
gaagacgacc	ctctatgaca	tggatgtgga	gcccagctgg	aagtacacgg	ctatcggtcg	1020
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agggtcacag	ggtgaggacg	gcacactcat	taaggctgag	acagacccct	cagggatcta	1140
cattgccacc	agctgttctg	acaagaatct	ctccattttt	gacttctcct	caggcgagtg	1200
cgtggccacc	atgtttggcc	actcagagat	tgtcactggc	atgaaattta	gtaatgattg	1260
taaacatctc	atctctgtgt	ctggggacag	ctgcataatt	gtgtggcgcc	tgagctctga	1320
gatgaccatc	agcatgaggc	agcgtctggc	cgagttgcgc	cagcgtcagc	ggggcggcaa	1380
gcagcaagga	ccatcctctc	cccaaagggc	ttctggaccc	aaccggcacc	aggccccatc	1440
aatgctgtct	cctggaccgg	ctctctcatc	agacagtgac	aaggaggggag	aagatgaggg	1500
gactgaagaa	gaacttccag	cactgcccgt	ccttgccaag	agtaccaaga	aggcactggc	1560
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ggagtcctgt	gggttctctg	accagctctc	tgcagccaac	ccaggaccca	gaagaagagct	1680
gcgtggygtt	cagccaggty	tggaaactgag	cgttagatcc	atgtggatc	tgcggcagct	1740
ggaaacactg	gccccaaagcc	tgcaggaccc	tagccaggac	tcgctggcca	tcactccatc	1800
gggtcccagg	aagcatgggc	aggaggccct	tgagacttca	ctcactagcc	agaatgaaaa	1860
gccccctcgg	cctcaggctt	cccaaccttg	ttcctatccc	catattatcc	gattattgtc	1920
acaagaggaa	ggggtctttg	cccaagatct	ggaacctgca	cccattgaag	atgggtattgt	1980
ctaccocggag	ccgagtgcga	acccaccat	ggataccagt	gagttccaag	tgcaggctcc	2040
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tgacagtgcc	tgctctgtgg	attacagcag	cagctgcctt	tccagcccgg	agcaccacac	2160
tgaagactct	gagagcacgg	agccccctcag	tgtggatggc	atctcctcag	accttgaaga	2220
gccagctgag	ggtgatgaag	aagaggaaga	agaggaggga	ggcatggggc	cctatgggct	2280
acaggaggggc	agcccccaga	ctccagacca	ggagcagttt	ctaaaacagc	actttgagac	2340
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cccagctgat	ggccctccgt	ctcggcctca	ctcctatcag	aacccccacca	ccagttccat	2880
ggccaagata	tcccgcagta	tctctgttgg	ggagaacctg	ggcctgggtg	ctgaacctca	2940
agctcatgcc	cccatccgag	tctcaccact	cagcaagctg	gccctgcca	gccgggctca	3000
cctggctctg	gacatcccca	aaccactgcc	tgaccgtcct	accctggctg	cattctctcc	3060
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aaaagctcac	agtacaactg	agagatgggc	ctgtttgggg	gagggcacca	ctcccaagcc	3180
taggacagc	tgccaggctc	atcctggggc	cagcagcccc	tgtgcccagc	aactgccagt	3240
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aggttgcagt	gagccgagat	cgcgccattg	cactccaacc	taggtgacaa	agctacacgc	5520
catctcaaaa	aa					5532

<210> 4837

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1334)...(592)

<223> similar to gi36613 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4837

tttttttttt	ttcaggaaca	taccacgttt	atttcttggt	gtcaagccag	aatgaacca	60
aaagaagcac	atctcaggtg	aaggaacaac	tccttattgc	agtcatagcc	cagctctcct	120

```

gggatccggg gaacgccctc tctcctctcc ctcaactccct cctgtttaac ttgggactga 180
actggaactc aactcttccc ccaaacattt taaatccaaa aagaccagca gggggcgccc 240
tttcctcagg gtctggccct gcaggcaggg caggtgaggg cctgaatacc cacaccagc 300
tctggcaggc cccctgcctt caacttggca cttgttccag tgcccgggga cccctcgtgc 360
atggagcatc tgtgcctcta ttttgaaacg gcaccgtcca acccaaaaaa caacacagga 420
tctcgtaaac ctgcgggcag gactaaccga gactcagccc tctgcaggct gatgctgaat 480
tccttagtgc tttgctctcc ccagatgcat cctctcttgg caatgggtag gaggcagctg 540
gggcagcagc tgctgctcga gaaaggatct gagtgtggcc ttgacattct caatggcgga 600
atcgctgcag cacatactgg cgggcagctg gggaggggctc aggggatgag aagtacgggt 660
gggccagggc agtcttggct gtgatccgct ggctggggctc atactgcagg agttgcatga 720
gcaggctccct gccctctggc tccagattgg gcacaatctc ttccagtccc ttcctggctc 780
acttagggaa gctgccctta tagtcaggca gctgggtgac cccggggccat gtgtcttcgc 840
tgggtgtccc cagcatacga aagatacgaa agagctggtc aatctcagag tccccaggaa 900
acagggtctt tcgagtcacc atctctgcaa agatgcaacc aatgctccag atatccacag 960
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cctcatgggt gttaggtgcgc aggggcacccc cgaaggcgcg agccaggccg aagtcagcca 1080
gcttgatggc acccaactca ttgatgagca ggttctgggg cttcaggctc cggtggatga 1140
cccgatgtga gtggcagaaa ctacccccct gcagcagctg gaagaggtag ctcttgatga 1200
ggtgcagggg gagctctgag cctgggggtg agtccatgta cttcttcagg tcctggctga 1260
ggaactcaaa caccagatag agcttctctc cgttgtgcac cacgtccagc agtcggacga 1320
tgttgggggtg ctctcgtgcc gaattcga
1348

```

<210> 4838

<211> 1121

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (157)...(630)

<223> similar to gi951303 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4838

```

cggacgcgtg ggccggccct ggttcccttc gagtccccaaggacagccc agcccacgag 60
gtgaccggca gcggcggggc ctacatgcgc tttgatgtgc cgcggccaag ggtccagcgc 120
agctggccca ccttcatagc cctgttactg caccgctaag tgggtggcgcg ggtgatctgg 180
gccgacatgc tctccatcgc cgtgacctac ttcatcacgc tgtgcctgtt ccccggcctc 240
gagtctgaga tccgccactg catcctgggc gagtggctgc ccatacctcat catggctgtg 300
ttcaacctgt cagacttcgt gggcaagatc ctggcagccc tgcccgtgga ctggcggggc 360
accacacctg tggcctgtc ctgcctgcgt gtggtcttca tccccctctt catcctgtgc 420
gtctacccca gcggcatgcc cgcctccgt caccgcgct ggccctgcat cttctcactg 480
ctcatgggca tcagcaacgg ctacttcggc agcgtgcca tgatcctggc ggcaggcaaa 540
gtgagccca agcagcggga gctggcaggg aacaccatga ccgtgtccta catgtcaggg 600
ctgacgctgg ggtccgccgt ggcctactgc acctacagcc taccgcgga cgctcacggc 660
agctgcctgc acgcctccac cgccaatggt tccatcctcg caggcctctg agccagcccc 720
gccactgcc agggacgccg agggcctgac caggggcccc gaggcctgag ggccccctcc 780
ctgtccccac ctcagtgcct gcggggccct gagcctcccc ctgtgccagc agccccactc 840
cctcaggggtc cagccatgcc ccaccctgga ctgaagttct gcaaagtctt ccgaggaccg 900
gaacacgttt ctgcgacccg gggctctggc cagcactgag atctgcgttg ggtctcatac 960

```

ctgcgactac	ctttcatctg	agatcagcgg	ccccggctcc	agcccagcca	tcactctgca	1020
gggtcacacg	cgccgcgtgc	ccaccaaga	cagcatacac	ccgccataga	gtgcccccca	1080
gcgatggcac	cctgccctga	tcaccatcgg	atctgatggg	g		1121

<210> 4839

<211> 1926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1822)...(487)

<223> similar to gi3347848 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4839

tttttttttt	ttgaaagggt	acctgattct	tttattttaag	aaaagtgaaa	tacatggacc	60
tgaagtgaga	cagcagaggg	agggagtaag	agcggccagg	gcaaggcagc	ttggctggcc	120
agcccccaac	cctctgactg	aaaagccagc	agcaggctgc	atctctgagg	gccatacctg	180
ctttgtaccc	accttggggc	ctcagagcta	gctactctag	aggaccacag	ggtgcagaga	240
gggtgtcctg	agggtccttc	ctaagaggga	ttcctgagga	gggagctgag	accctaaggg	300
cagcagcaat	cttctgggta	aactgctccc	cttcactgtc	ccacctaggg	gtggggaaga	360
gccaggagca	atggggaatg	ctgtgagggc	tgtgggggtg	gggggaccca	gcagacctgg	420
gggccggggt	gaatgtcagc	tgcttgaaga	gaggtccatg	gtgctggcac	tgaggccccg	480
gggagacctg	aggggtgctg	cactagggtg	gttcagatag	ttcaaggagg	ctgctcgctt	540
catgttgctg	ctggaggggc	gaggctcagt	cccctggagc	ttcctcacca	agagtccact	600
gcttctgcgg	agcacatccc	ggatcttgcc	aagagagcca	ctcctctgca	gggtcccact	660
gccatccccg	gaccactcca	cagccacaga	agcatcttca	cctccctcga	atttcacact	720
gtctccaggg	ccctcctggg	aggtccttct	accatcactc	tccccaaagc	gctctgccac	780
cttcgtctgg	ctgatagggt	cagtgccttg	tctccgggac	cgcagggcac	attcctccag	840
ggtctcagca	gcctccagct	ttccctggcg	cctatacaga	gctcccaggt	ttctcagagt	900
agtgttcact	gtggggctgc	tcactttgca	ggccttgtag	cagcctccat	actcagcata	960
gggtgtccca	ccctcatggt	gccggctttt	gctcatttcc	tcccgtcctc	ctgcatgcat	1020
ccagatgggc	ttgtgggtcat	catccacaga	cccaaactcc	tgtacatggg	cacgggtcag	1080
gatctctttg	tatagtgtct	cagcctcagc	atatttgccc	tgtttcaggt	aacaggaagc	1140
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ggccagtgtc	cgctggtagt	agcgtttccac	ggcctcatac	ttgccctggt	tttggcacaa	1260
gagggccagg	ttgttcagct	gttttgccac	atctggatga	ttcgtgcccc	ggaccttttc	1320
tcgaatctcc	agtgcctcgt	ggcacagagg	ctctgcctcc	ttgtacttgc	cccttttgcc	1380
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ctcctcctgg	aagggaagaa	gcaacatata	agggccaaga	tatccctacc	tagtagcctt	1860
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ttcctg						1926

094873.012100

<210> 4840
 <211> 903
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (897)...(531)
 <223> similar to gi3800952 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4840
 ccatgcgtga actcatgtga tgaatcacgg tcaaaagcct gtcaaaactt tgtttcatgc 60
 ataaaattac tcaaaatatc atataaaatc accttttaggt tattgtatat aagggtgtata 120
 tgaaacataa atgaattttg tgtttagatt tgggtcccat tccaagata tctcattatg 180
 ctatgcaaat attccaaaat tcaaaaaaat ccaaaagctg aaacacttct ggtcccaagc 240
 atttcagaca ggggatactc aagcagtagc tatttttaac atagagaagt tcactaattt 300
 tctttccaaa acatataaaa gtgaattaag aaactaatac tttattagga atgttaaatgt 360
 ccattaaaag tataaccaac atccattcat aagagtgacc tttggaaaga ttttgaagg 420
 gtgcaaataa gactttaagg gaagtggaca tccagtaca agaagagatt ccatgtttgt 480
 ggctcaatgt cttacactta aatttcacag tgcctcaaga ttctcaggag ggcacccaca 540
 tgttcccatg cgtatccggt gctttgacat aaggaatgtt ccatatccat ggccgatctt 600
 tacttccata cagttctgga ggcaaatcat atggcacagg aaaggtggcc attggctcct 660
 ggctgccagc gaagaacttc tgtttcactt tgaaactgtc tagaccaaat gctgaaggga 720
 ggaaaaggac cccgagctcg taggagcgga tcatcagctg ggtgccattc ttctccaatg 780
 ctccccaggc agccttgagc agatttgagc ttgtgacaag gaaccaagca attttactga 840
 agtctggaga aggcctcata tatgtcttaa tatgtggcat ggcattgctg cggccagaag 900
 tct 903

<210> 4841
 <211> 1274
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (39)...(773)
 <223> similar to gi4826433 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4841
 agcatcggaa cgacctcccg gtcgaccac gcgtccgcca ggcttggtc gagatgccga 60
 agtcgtgcgc ggcccggcag tgctgcaacc gctacagcag ccgcaggaag cagctcacct 120

tccaccggtt	tccgttcagc	cgcccggagc	tgtgtaagga	atgggtgctg	aacatcggcc	180
ggggcaactt	caagcccaag	cagcacacgg	tcatctgctc	cgagcacttc	cggccagagt	240
gcttcagcgc	ctttggaac	cgcaagaacc	taaagcaca	tgccgtgcc	acggtgttcg	300
cctttcagga	ccccacacag	caggtgaggg	agaacacaga	ccctgccagt	gagagaggaa	360
atgccagctc	ttctcagaaa	gaaaaggtcc	tccctgaggc	gggggccgga	gaggacagtc	420
ctgggagaaa	catggacact	gcacttgaag	agcttcagtt	gccccaaat	gccgaaggcc	480
acgtaaaaca	ggtctcgcca	cggaggccgc	aagcaacaga	ggctgttggc	cggccgactg	540
gccctgcagg	cctgagaagg	acccccaaaca	agcagccatc	tgatcacagc	tatgcccttt	600
tggacttaga	ttccctgaag	aaaaaactct	tctcactct	gaaggaaaat	gaaaagctcc	660
ggaagcgctt	gcaggcccag	aggctggtga	tgcgaaggat	gtccagccgc	ctccgtgctt	720
gcaaagggca	ccaggggactc	caggccagac	ttggggccaga	gcagcagagc	tgagccccac	780
aggctccgga	cgcagaggtg	gcagtggcac	cagggccggc	agagcttttg	agctctggct	840
gtggacattt	ttgtctgctg	tggacactga	gaaagttggc	catgaggcct	gcttggccgg	900
ggatcgagac	agtagccaag	ctccccggcg	agagcccca	tgccgtcttg	gggacgttta	960
gaggcgtggc	actaggagtg	cacatctgtg	agcatgacaa	gcttatccgt	cccatggtaa	1020
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tcgttgaag	ccccagtg	gggagatgct	cctcagggag	gaagccatgt	gagggggctg	1140
gctctgtggc	gggtgagtgg	tcccctcctc	catcagcctg	gacagccgct	cgggggttcta	1200
tgagagagac	tctgtgccc	gcctggtgtg	agtgggcagt	gtaataaagc	gtctttctat	1260
acggaaaaaa	aaaa					1274

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<210> 4842
<211> 6565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(4628)
<223> similar to gi2224583 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4842						
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gatggcattc	gaggttttcc	agttgttctt	cagcaaatca	gtaagagtct	caattatctg		120
cttatgtcag	ccagtcaaac	caaatcagag	agtgtggaag	aaaagggagg	aggccctcca		180
cggtgcagca	tactgaact	gcttcagatg	tgctggccca	gcctaagcga	ggactgtggt		240
gccagccaca	ccaccctctc	ccagcagcta	gatcaggctc	ttcagtcact	gagagaggca		300
ctagagctgc	cagagcccag	gactcctcca	ctgtcttccc	tggtggagca	ggcagcccag		360
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ctgggcaaac	agaccccatc	aggcagcagg	cagatggact	acttgggcac	cttcttcagt		480
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gagggtcaagg	taggaaatcc	ctttgttctg	ctgcaacaga	gctcttccca	actggtgtca		600
catctcctgt	ttgagagaca	agttccccca	gagagactgg	cagcccttct	ggcccaagag		660
aatctcagcc	taagtgtgcc	acaggtcatc	gtcagctgct	gctgtgagcc	ccttgctctt		720
tgctcatccc	ggcaaagcca	gcagacctcc	tccctcctga	ctcgtctggg	tactctggcc		780
cagctacacg	cctctcactg	cctggatgac	ctcccacttt	ctacaccgag	ctccccgagg		840
acaactgaga	accctacatt	ggaaagaaag	ccctactcct	ccccaaggga	ctcatcactc		900
ccagccctca	cctcctctgc	cttggccttt	cttaagtcac	gctcaaagct	cctagctacg		960
gtggcctgcc	tgggggcttc	cccagaggta	aaggctcagca	aaccagctt	gtcatggaag		1020

gaacttcgtg	gccgcagggg	ggtgcctctg	gctgcagagc	aggtagcccg	ggagtgtgag	1080
cgccttctgg	aacaattccc	tctgttttgg	gccttcctcc	tggctgcctg	ggagcccctg	1140
cgagggctct	tgcagcaggg	gcagagtctg	gcagtgaatc	tctgtggttg	ggccagtcct	1200
tctaccgttc	tcttgggcct	acattctccc	attgccctag	atgtactgag	tgaggctttt	1260
gaggaatcct	tgggtggccag	agattggtcc	cgggcccttc	agctcactga	agtgtacggg	1320
cgagatgtgg	acgatttgag	cagcataaaag	gatgcagtc	tgagctgtgc	tgtggcatat	1380
gacaaagaag	gttggcaata	cctgtttccc	gtgaaggatg	catctctgag	aagtcggctg	1440
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ctgcaactcc	tgcaagaagt	ccctgacccc	accatgtgcc	ttgaagtgtg	agagcaatcc	1860
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cccctgttca	tgctggagca	gctgcttatg	aacatgaagg	tggattgggc	cactgtggct	2100
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gactcactgc	tttccagata	cgcagagaaa	gccctggact	ttccataccc	tcagagggag	2220
aaacgatcag	attctgtgat	tcacctccaa	gaaattgtcc	accaggctgc	agatcccag	2280
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```

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gacatctgtg cccagtggct tctgacaagc ccccccgagg gtgcccattg cccaggctcc 4620
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tggaaggtag tctgaataga agggttttca ggtgcaggca tctgaaagct gtgggtatgt 5340
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gcctaaagaa agctctgcag ctctgaacct ctcaactggc agagctcagc ctattggtcc 6000
catccatgat gctgagacaa acagaaactg gaagctgaag tcagtgtctc tgggtgtcag 6060
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tagaccatt tgggctaaag tttggctttt cctttcttga gtcatagaac atatccatct 6240
ccaggaaat gtcttctctt gggcgtctgc ttgccttctt gactctgcct tttttgcact 6300
gaacataagc actttatact aatgggggtca caaatcttgc agcccttaat ttgggataag 6360
accagatttt cctgacattt tctcttaact cattgaacta tcaaattata ggcaaccact 6420
gactagactg atatgagatg aggtctaaaag cctttgaaca ccacgctgta gtctccaaca 6480
gaaaaacacc accaaaacag ataccatgt tgaggggttg aatgttttac tacaacaag 6540
ccacaataaa gtgtctatca acatg 6565

```

<210> 4843
 <211> 2273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2059)...(1148)
 <223> similar to gi5921491 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4843
 tttttttggt tttttttttt tcttttttaag tttgattttt tttatttcaa aatgctttgc 60

[illegible]

<210> 4844

<211> 936

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

$$\langle 222 \rangle \quad (43) \dots (214)$$

```
<223> similar to gi4581563 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 4844

```

cggacgcgtg ggccagcttt aaatagtgga ggcggaat tgccatttac atttgtaact 60
aaggaagtag ctgaagccac atgtaattgc ctcttgccc aggcagagca ggcagacaag 120
aagggaaaat caaaggcagc agcggaaacgg atgatacttg aggaattcgg acgatgtttg 180
atgagtgtca tcaactctgc aggaaaggca aaaagtgacc cttgtgccat gaattgctaa 240
ctcttgacac aaagactgat aaatggaaact gtacagaaaa ttttaagggtgc agggacactt 300
gatttttctg aagaaaaaca attactgtat ttttaattcag tccttggtttt aaaagacctg 360
aaattataat actgaaggag aagaaaat tttt aaatgaggaa attagtacat tttaaatcctt 420
agttaaatct gcttatgccc cttctaaatt gaatttttct ttattatata gattttttta 480
tttgcttggtg tttcttaaga attagatgtt ctctgatacc tttgataaaa aatgtttata 540
aattcatata atttataatg tatggtgttg tatgactttg ttaatagaaa agccaaagca 600
gcagtgggta gcacccattc tttgggactt gatctagaat atctgcagac agaattgttac 660
ataaacaat tcttatgaaa cacattcaaa tgacattttg tatttagaaa aggactatct 720
tttaaagaaa aagcagcctt ttagggccga ttctggaata atatcctgtt gtcactttgg 780
gaatgtcaga aggggaaaca atccccaggc acactaaaaa ttttttaaag ttatttaaaa 840
aaacatataa aatattaaag gacagtaaat ctgagaggat gggcaatgtg tttctataat 900
aaggaaaagg taacagatgc tctggggctg tctcca 936

```

```

<210> 4845
<211> 2131
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2133)
<223> similar to gi4589470 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4845
gcgggtagcc agaggctggg gcggctgtgg agcctgtggt gggagcggca ttgtggggca 60
gggaaaagggt gagccgagcc gacggagggg acgcgtgtcg gggcgcccc agtctatgga 120
gcggggtaag atggcggagg cggagagcct ggagacagcg gcagagcacg agcggatcct 180
gcgagagatc gagagcactg acacggcctg catcggggcc acgctcaggt ctgtttatga 240
tggtgaagaa catggacggt tcatggagaa gcttgaaact cgtatccgta atcacgaccg 300
agaaattgag aaaatgtgca actttcatta ccagggtctt gtggactcta taactgaact 360
gctgaaagtg agaggagaag cccagaaact caaaaatcaa gtgacggata ctaatagaaa 420
actacaacat gagggaaagg aactggtaat agcaatggaa gagctgaagc agtgtcgact 480
acaacagaga aatatttctg ccactgttga taaattaatg ctgtgtcttc cagtccatga 540
gatgtacagc aaactgaggg accagatgaa aactaaaagg cattatcctg cactgaaaac 600
tctggaacat cttagagcata cctacctgcc tcaagtaagc cactatcgat tctgcaaggt 660
gatggtggac aacatcccc aactctcgaga agaaataaaa gatgtttcta tgtccgatct 720
caaagacttt ctggagagca tccgcaaaca ttcagacaaa attggagaga ctgccatgaa 780
gcaagcccag cagcaaagaa acctggataa catcgtcttg caacaaccca gaataggtag 840
caagaggaaa tctaagaaag atgcatatat aatctttgat acagagatag aaagtactag 900
tccgaagtct gaacaggatt cagggaattct ggtgtgtgaa gacgaggaag atgatgaaga 960
ggtacctggg gcccaagatt tgggtggatt ctctccagtt tatcgatgtc tacatatata 1020
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ggctcgtttg gtacttcaac ctccatctaa catgcatgaa acttttagatg gctacaggaa 1140
gtattttaat caaattgtag gcttttttgt ggttgaagat cacattttac atacaacca 1200
gggcttagta aatagagcct acattgatga actgtgggaa atggcacttt caaaaacat 1260

```

cgcagcactc	cgtacccact	cgtcttactg	ttctgatcca	aaccttgtgt	tagatttgaa	1320
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agagatgtac	aaaaaggtgg	taggacaatt	cccatttcaa	gatatagaac	tggaaaagca	1560
accattttcca	aaaaagtttc	ctttctctga	atttgtgcc	aaagtttaca	accaaattaa	1620
agaattttatc	tacgcttgtc	tgaagttttc	agaagatctt	catctaagct	caactgaagt	1680
tgatgacatg	attcggaaat	caacaaacct	gttgctaacc	aggactctga	gcaactctct	1740
gcagaatgta	attaaaagga	agaatattgg	gcttactgag	cttgtccaga	ttattatcaa	1800
tacaacacat	ttggagaaat	cctgtaagta	cttggaagaa	tttatcacca	acatcactaa	1860
tgtgcttcca	gagacagttc	acactaccaa	gctctatggc	accacaactt	ttaaggatgc	1920
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acagctggca	gactatgact	ggatgaccgg	agatttgggc	aacaaagcta	gtgattacct	2040
ggtagacctc	attgcctttc	ttcgtagcac	ctttgctgta	ttcacacacc	ttcctgtaag	2100
tggcagttgc	tcttactttg	tcctttatat	a			2131

<210> 4846
 <211> 2254
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (66)...(2041)
 <223> similar to gi2344810 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4846						
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ccctcccttt	ggtctccctg	ttcttctatg	tggtagacaga	tggcaaggaa	gtcctactac	180
cagaggttgg	ggccaagggg	cagttgaagt	ttatcagtg	gcacaccagt	gaacttggtg	240
acttccgctt	tacacttttg	ccaccaacca	gtccagggga	tacagcccc	aagtatggca	300
gctacaatgt	cttctggacc	tccaacccag	gactgcccc	gctgacagag	atggtaaaga	360
gtgcgctaaa	tagctgggtt	cagcatcggc	ccccaggggc	ctccccctg	cgctacctcg	420
gcttgccagg	atccctgaag	tgggaggaca	gaggtccaag	tgggcaagg	caggggcagt	480
tcttgataca	gcaggtgacc	ctgaaaattc	ccatttccat	agagtttgtg	tttgaatcag	540
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atgctgatgg	ctggattggg	agggagcaga	tactggggga	tgaggcccg	gcccgggtgc	1020
ctccagaatt	cctagtacaa	cgagcagtc	acgccaaccc	cccaacccta	cttttgctg	1080
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ccgcctgca	tgcttggttt	tcttggtctc	atcagagcca	ggcaggccca	ctgccactat	1200
cttaccgctg	gcggggacgg	gaccctgcct	taccaacctt	actgaacccc	aagaccctac	1260
cctctgggct	ggatgactac	ccccgggctt	cacacccttc	agtaaccgag	cggcacctgg	1320

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caggtgtctc	cttgctgtca	tccacatag	ccctgggggtg	aatgtgaatc	cagagtctat	2220
ttttctaaat	aaattggaaa	aaacaaaaaa	aaaa			2254

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<210> 4847
<211> 2322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2226)...(1764)
<223> similar to gi3294491 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4847	
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gcttgagcca	acttagccaa
tcatgctgct	ctgcagcacc
ctcaggacgc	ctcttattgc
ggccaagaga	gaagctgcca
gcagcatccc	gggatggccc
caaggagcag	gcaggagagg
ccaagtccctg	ctggccactg
ccagtctcta	acccctaccc
tgtaaaggac	ttcctgttct
ctgacaggca	ttccttggcc
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aggctccttc	agtggaaattt
tcaaattccat	tgcttgacac
ctgagctccc	tgactgcag
ccgtccaaat	cacctgggta
gtttacagaa	ctgggcagca
atcagagtgg	ttttcaagga
cccaagggca	gggagatgcc
gagtttaatc	tgtgctctgg
tgacacggga	ctcccagccc
gtgtgactgc	accctgtcag
gtgtcaccag	cctcatgggt
gatatcccca	ggcctgggag
gttgaccaa	gtggagtgtc
aaggcgctgg	tagggagcca
gctgtcaggc	ctgtgaaagg
gcccagaacc	ttggcgagct
ccagggcaag	gcaggtgacc
aaggggagga	caggaagaga
actctcgctc	cctcccagag
tgagccgcgc	tgctggctgc
ttcagccgcg	ctgccggctg
acagagcaca	gctattaata
agttaaaaac	tgtttggtag
tccacgccat	ggtagctgct
cttgagacag	cagagcttta
aacagacact	cagttgtgac
ggtgagggca	gcactttgca
agccgcctcc	tccactccca
ccctgctggg	

```

aggcacaggg acacagaagg ctccgctgga ctttcagtca tactgatggg gctctgggtcc 1320
atgcaagcct ctccaacag tcagaataat cagtccctct gccccctgag gggctggatc 1380
cctgaatgag tttttcaata aaatacagga cacacacccc tagaccgcc tcagtcccat 1440
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ctattaattht gggttaactgg ttttcaattht cttttttttt attctgcaga ttaaagacac 1740
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ggaccattht cttcttagac acgcagtcac tttcctgatt attcttcaca tcccctagag 1860
tggagactcc ggtgagggtc aggatggtct tcaggccaca ggtggcgctt agggaggatgt 1920
ctgtgtccag gcggtctccc accatgacgg tgcgctcggg gttgatgccg ttttctggg 1980
acacgcagtc gaaaatgaag cggctgggct tcccgatgat gtcggcctgg cgtgggcg 2040
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gaagccggtt gtccatgttg gtgcccacga gcaggcaccc gggctgctgc aggtagcgca 2160
gggccttggg gagcttcatg tagctgaagt gcgggtcaaa gccctccacc tccgcgcgca 2220
ctgtcgtggc tccatgcggc gctgtgcag ccatgtcgcc gggacgcctc gccctgcacg 2280
tggctcgggc cccactgccc actgctggcg acgcctcacg gc 2322

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```

<210> 4848
<211> 1328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1314)...(490)
<223> similar to gi3881771 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters.

```

```

<400> 4848
tttttttttt ttacttttaa tatttaatat gaatttgggt taggtgtaac aatgtgtgta 60
ttggatctca aaacatgtta tattttaagc aatggcttgg agagaactaa tcaattcata 120
ttctgcattt ccagccaaag ggacataggc acaactgact ggtggcacct tctgtggga 180
agcctcttcc atccatctac agcattgata cttttataaa gtatgaattt atcttgcttg 240
aagagttaag tctcattttc catggttaat gcaggattgc tcataccagc tttgcatttt 300
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```


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<210> 4851
<211> 4797
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (4798)...(2398)
<223> similar to gi5689491 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
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catgaa	gaacgtggcc	cagctcatca	acgagcgga	gcggagactt	gagaacatcg	1140
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<210> 4853
<211> 1321
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (221)...(639)
<223> similar to gi5002553 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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g 1321

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<210> 4854
<211> 3264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3265)...(589)
<223> similar to gi4587965 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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cgggggccgg gacacagtgg gtggaagctc agctttggag ccagcctcgg gccccatcgg 2220
ctctccagct gggcctctcc cctgggaggc tgggggaccc actcctgcc catcctgggt 2280
tggaacttctc ggcagagggc tgccctccca gcccggtttc aagagctgct tccccagctc 2340
gctctccacg gggccaggct gagggctgtt cagggccatt ttccactgc tgtttgtaac 2400
aggagctagg cctttgggtg tggctcggg gtactggagg ggatcgaagt tttccttttg 2460
ttctattgca atctctttg acttctcaac tggaggagga cgaggagcca gcctgccctg 2520
agacactttc ctctggtcat tctgcttcct gtcagctagg ccctttggga cgtaggctc 2580
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tgagttgctt cgagaggatg taggagaagc gctggggctg aggttcgggg aaacagctga 2700
tggggagctc ccggggctgc tctggactt cctcccacgg cgggtcagga atcgctcact 2760
caccaacttg gcttcttcca gcagcgccag gtttttcttc ttgtcctcct ctgagatgct 2820
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caggaggcca gtggacacct tcaagtgtcg gtgagaaagc ctcttgagg gactgtgaac 2940
tctgttggcc aggtttttgt cggtttctcc ttctggtgaa gtggcatccc cagtcaggac 3000
aatcgtggga gttggactgc aagatactcc tgcggtagga ggacctgtt ggccggcagg 3060
gctctgggct gcctgtggct ctccgggggg ctcctcgtcc tcgggaatgt ggggcatggc 3120
agcctcctgc tgggagtggc cacgtgtgcc cggaacctcc gctgcgtcag ccccaaagat 3180
gctccaagag gcctgggctc cacaggctgg ggagacgcca aaaggacaag tcaaattccat 3240
tccctgtccc aagctgggtt ccat 3264

```

<210> 4855

<211> 1130

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (182)...(505)

<223> similar to gi3687482 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4855

```

tttcgtggac agtcctggcc aggggtgagca ggcggaagaa gaggaagggtg gcattcagat 60
gaacagtcgg atgcgtgcgc acagccccgc agagggggcc agcgtcagat ccagcagccc 120
ggggcccaaa aagtcggaca tgtgcgaggg ctgcgggtca cttgctgcag ggcacccggg 180
atatatcagc catgataaag agacctccat taaatacgtc agccaccagc acccagcca 240
ccccagctc ttcagcattg tccgccaggc ctgtgtccgg agcctgagct gtgaggctg 300
ccctggccgt gaaggcccca tcttcttcgg agatgagcag cacggctttg tgttcagcca 360
caccttcttc atcaaggaca gcctggccag gggcttccag cgctggtaca gcatcatcac 420
catcatgatg gaccgatct acctcatcaa ctctggccc ttctgctgg ggaagggtccg 480
gggaatcatc gatgagctcc agggcaaggc gctcaagggtg tttgaggcag agcagtttgg 540
atgccacag cgtgctcaga ggatgaacac agccttcacg ccattcctac accagaggaa 600
cggcaacgcc gcccgctcgc tgacatcgct gacaagtgat gacaacctgt gggcgtgcct 660

```

```
gcacacctcc tttgcctggc tctgaaggc gtgtggcagc cggctgaccg agaagctcct 720
ggaaggtgct ccgaccgagg ataccttggc ccagatggag aagctcgctg atttagaaga 780
ggaatcagaa agctgggaca actctgaggc tgaagaggag gagaaagccc ctgtgttgcc 840
agagagtaca gaagggcgagg agctgaccca gggcccgga gagtcctcct ctctctcagg 900
ctgtggggagc tggcagcccc ggaagctgcc agtcttcaag tccctccggc acatgaggca 960
ggtaggtggc aggggcacag cgcacatga gctcaggagg agagccaatc atgggctgtg 1020
cctgcccaca cgccttgcct ctggaccctc caccttgaaa accctgcagg aagtgactga 1080
cagcctcctc ggtgggtggc tgatggcaca gggcggtggg ggtattatcc 1130
```

```
<210> 4856
<211> 1523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1393)...(890)
<223> similar to gi4220590 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 4856
tttttttttt ttctgatcat aaaatattta ttaaggtata ctttagggaa tatagtgaat 60
ataaaattta ggatcacaaat atgaagccaa ttccaaatc ctctccaaag gtcagcacag 120
ccctccaaaa ctctgcagat gtaaaaccac tggtagagca ctaaaagcag ttcgactagt 180
agagaagtgg attttcatga acattttaca ctagagcata tgaatacctc ttttaagtgc 240
aaaaccacac cacattacac taatgcagca acaatgcatt cattattggt ctcattagtc 300
attagtagtc aacttgcata aaacaccaga aaaaagcaca atggagttca caaagtgggc 360
taaaaaaaat gaacctgtcc ttgcaaaaca cacattgtaa tggaagaaga gacgttaaaa 420
aagtatatgc acactttaga agctgtgttc attccaagga tctcaagtgt catttccttt 480
tctgtaaaat caaattaca gaaccaggca caactaatat ttgggaggca gtgtgtagct 540
aaaatttcat ttaactagtt attcaatgat ttttaaaatc ccataaaatc ttttctgtcc 600
tgaggtagtt gcaaaataaa tcataacttg gatatcaact agagctgagg ctttgacttt 660
ttactcatta aaactagttg ttacaggaac tacctttaga tatttaaaag acagttgaga 720
aatgggcctc ttactacaca cacaagatga tggctatgtg ggaaagagga ttagctgctt 780
cagaacgtga gagatacagt ccaccatttc ttccaccctc cccaccatt ttagattctt 840
tattgtccaa aaagccacca tgaacaacac agtgaaagca ggcagatcat cgtcctttgc 900
tgtagccagg gaagaaaagg tcaagtagag tctgcagaat ctcatggga atcatgatgt 960
aattctggcc aagatcatgc cggcaagcag ggcaggagaa aacctgtgcc ttaaaggagc 1020
gctgtaggca atctttacag acattgtgga agcactcagt tgtcacaggc tggtaaaacta 1080
gctcctgaca gcaaacgcac ataaaagatt gttccaattt tttcagaaaa tttggctcctt 1140
ccacaagatg tgaagcact tcatccaca gcttctggtt ttgacaatct tctctgatga 1200
gatgttgctg ttgaggagtt agttgaaaag cctcaattgc ttctgctgaa tctgatgctt 1260
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ctggatactg atggggggga ggaggagag tacaatgcag atttaagctt cacagagaag 1440
gggggtttag atcctggtga gaaattaaaa aggaggggaa gactacacgt tcctcaaact 1500
gaaaagcttt acataaaaga aac 1523
```

<210> 4857
 <211> 2459
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)...(1017)
 <223> similar to gi4734010 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4857

gctgggcgct	ttttctaaca	ctttcacatc	ctgctgctct	tcaggcagga	cccagatgtg	60
tccaggctta	cccagacctt	tgtcacgata	ttcattccag	ctcttcctgc	aacctttctt	120
tatatgttac	aagttaaata	tttgctcaac	caggggaattg	tactgcccc	gatacgtaact	180
ggagttgcag	ccaaccttgt	caatgccctc	gccaactatc	tgtttctcca	tcaactgcat	240
cttgggggtga	taggctctgc	actggcaaac	ttgatttccc	agtacaccct	ggctctactc	300
ctctttctct	acatcctcgg	gaaaaaactg	catcaagcta	catggggagg	ctggtccttc	360
gagtgcctgc	aggactgggc	ctccttcctc	cgcctggcca	tccccagcat	gctcatgctg	420
tgcatggagt	ggtgggccta	tgaggtcggg	agcttcctca	gtggcatcct	cggcatgggtg	480
gagctgggcg	ctcagtcctt	cgtgtatgaa	ctggccatca	ttgtgtacat	ggtccttgca	540
ggcttcagtg	tggctgccag	tgtccgggta	ggaaacgctc	tgggtgctgg	agacatggag	600
caggcacgga	agtcctctac	cgtttccctg	ctgattacag	tgtcttttgc	tgtagccttc	660
agtgtcctgc	tgttaagctg	taaggatcac	gtggggtaca	tttttactac	cgaccgagac	720
atcattaatc	tgggtggctca	ggtgggtcca	atttatgctg	tttccacact	ctttgaagct	780
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gtgaatacca	ttgggtacta	tgtggctggc	ctccccatcg	ggatcgcgct	gatgtttgca	900
accacacttg	gagtgatggg	tctgtggtca	gggatcatca	tctgtacagt	ctttcaagct	960
gtgtgttttc	taggctttat	tattcagcta	aattggaaaa	aagcctgtca	gcagggtgcc	1020
ctgaaaacct	tgaaggaatt	ttaacgaacg	atgttggaaa	gacaggcgag	cctcagtcag	1080
atcagcagat	gcgccaagaa	gaacctttgc	cggaacatcc	acaggacggc	gctaaattgt	1140
ccaggaaaca	gctgggtgctg	cggcgagggc	ttctgctcct	gggggtcttc	ttaatcttgc	1200
tgggtgggat	tttagtgaga	ttctatgtca	gaattcagtg	acgtggtagg	aaagaaagtc	1260
aggtcaagtg	atgcttttga	gcttacacac	aattcacagg	cccaccagtg	acaatttact	1320
gtgagttaat	gtcatttcagg	tgtgcccata	gattttgagg	gctggaaatg	caaagacaca	1380
tttttctata	aaaagaaaaa	gcaactaagg	ttaaaagcta	tattgtggcc	caagacactg	1440
tctgaaagat	gacatgagta	gtaattcacc	actatctgaa	ccaagcaagg	atcaatgtgc	1500
tgactgcatt	ggccaatggc	tttgatactt	ctgctatttt	tttagacaca	aaccataaaa	1560
ctaactgctt	aagaattcat	actgcttgaa	ttatgtaaaa	tatatattac	agtatatctt	1620
tccttggggc	ttagattact	attcactggg	caaattggtat	ttgtttttgt	tttaattttt	1680
tttttaatag	acggaagtct	tgtctgttca	tgcaggctgg	agtgcgggtg	tgcgatcata	1740
gctcactgca	gcctcgaact	cttgggcttc	aagcaatcct	cctgtgtcag	ccaccagagt	1800
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gtctagatct	aggcactgtg	gacactgaaa	aacagttggg	aaatctttcg	agctgtggaa	1920
atccaaacaa	agactgataa	ttcctggtag	gggtgtgtgc	gtgacgtact	gcagcctcaa	1980
cctcctgggc	tcaagtgate	ctcccacctc	agcctcctga	gtagctgaga	ccacaggcgt	2040
gtgccaccac	gcctagctaa	ttttttatac	caggggtctac	cctttgtttc	ccaggctgggt	2100
cttgaattcc	tgggatcaag	caatccttcc	accttgcctt	cccaaagtgt	tgggattata	2160
ggcatgagcc	accacgactg	gccagaggac	aaaattttta	taaaggtctt	agcttaagca	2220
gtaatcctac	ttcattaagc	cttcctgggg	tgcggtacac	accgttaatt	cagcaaccct	2280
cagtacatac	taagtatgct	cagtgtgtgt	aaagtggatt	acaccaaatt	aagtcattct	2340
tatcacaccc	aatcaaaagt	caagaagcca	ggggataaaa	gcaccttcag	ggcacataac	2400

attaatctta gtaatgttaa ttcttctggc acatccagct ggtggaaact gcgtgctgt 2459

<210> 4858

<211> 678

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (15)...(168)

<223> similar to gi297157 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4858

gcggtggaat	tcgtgcgttc	ttcacaaagg	tgggtgatgt	gggtgccacc	tctctgaagc	60
ttgagatctg	ggacacagct	ggccaggaga	agtaccacag	cgtctgccac	ctctacttca	120
ggggtgccaa	cgctgcgctt	ctggtgtacg	acatcaccag	gaaggtaggg	ccgccttga	180
ggcacgtccc	accctccttc	ccaagcacct	gccttctggt	ttctccagtg	caatgatgcc	240
atggcgtaat	cacaaggaac	agagactcca	ttagtgagca	acagtcacct	cctccaggat	300
ggcctcctga	caacccccca	tcctcctcca	cagtgggggt	ctgctcctcc	gtggtccaca	360
aagaacatgc	cgttgccatc	tgccactcag	tagttcctgg	tgctgcatta	gggtcagggt	420
ttgggggtggt	ggccagtcct	ccagactctc	ttgcacaaag	tggtcctttg	aggacagcta	480
ggcgtgggag	attcaggagc	tcgaggcctg	acctgaaata	ccccgtggct	ggcagtctcc	540
tgggcctggt	caggggtgaag	gatctgatgt	gtgtcctagc	agttttctgc	ctggccgcac	600
aggtcaccca	ggacaggaac	gtgccctcct	cagaggaacg	gagcagccct	gcagggtgcg	660
ccatggccag	ttggattt					678

<210> 4859

<211> 865

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (242)...(762)

<223> similar to gi305335 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4859

ggaggaattc	gggggcaggg	ccaggaagag	gggaaggtct	gggaggacct	ggagggcgca	60
gccaggggac	aaggaggggc	aggagggagc	ctggactttg	gaggatgggg	aaggcaggcc	120
agggcccgga	gtgggtgaag	acttctcagg	actaggccag	gtaggcaacg	aacccccagg	180
aacactggcc	caagacaacg	ccctccccc	acccctgcac	cctccatcca	cagccccgag	240


```

aggttggtgtg gtgggctgcc tgccttgggc ctggagctcc aagcccaaca gttccctggt 1620
ggtccttttcg tctggggggcc agcgcacagc cctgcccacc ctgccctgcg agtctacaca 1680
ccatgccctg ctctgctgcc tgggtgggcac cctcccgcta gccataatctt tccgggtgtc 1740
ctccttgcca aaaatgatcc tgcctctccg gctcaccacg tctacatcc tcgttctgga 1800
gctcagcgga tacaccagga ctgggggtgg tgccgtctcc gggcgagct acgagccgat 1860
tgtggccatc ctgctcttct cctgtgctgt ggccctgcat gccaggcagg tggacatcag 1920
gctgaggctg gactacctct gggccgcaca ggcagaggag gagcgagagg acatggagaa 1980
ggtgaagctg gacaacaggc gcatcctctt caacctcctg ccggcccacg tcgcccagca 2040
cttcctcatg tccaaccctc ggaacatgga cctctactac cagtctact cccagggtggg 2100
cgtcatgttt gcctccatcc ccaacttcaa tgacttctac atcgagctgg acggcaacaa 2160
catgggggtg gagtgtctgc ggcttctcaa cgagatcatc gccgactttg acgagctcat 2220
ggaaaaagac ttttacaagg acatagagaa gatcaagacc atcgggagca cctacatggc 2280
cgctgtgggg ctacgcgcca cctcggggac caaggctaag aagtccatct cctccacct 2340
gagcacgctg gcggactttg ccattgagat gtttgacgtt ctggatgaaa tcaactacca 2400
gtcttacaac gactttgtcc tccgagttgg catcaatggt ggccctgtgg tggctggagt 2460
gattggcgct cgcaggcccc agtacgacat ctggggaaac acagtcaacg tggccagtcg 2520
gatggatagc acaggggtcc agggcagaat ccaggtgact gaggaagtcc accggctgct 2580
gagaaggtgc ccctaccact ttgtgtgccg aggcaaagtc agtgtcaagg gcaaaggcga 2640
gatgttgaca tactttctag aaggcaggac tgatggaaac ggctcccaa tcaggtccct 2700
gggcttgat cggaatgt gtccatttgg gagagctggc cttcagggca gacgtccccc 2760
cgtgtgcccc atgcctggcg tctcagtcag ggctgggctc cctccacact ccccaggcca 2820
gtacctgccc tctgcagcag ctgggaagga ggcttagtgg agcccacgtg ggcctctggg 2880
gtgcacatgg ggtgggaatg ctccgggggt gacacaggcc acggtggctc cagccaggac 2940
cagccagacc agcagagcag ggagccactt gccagggtgg aggaggagca ttgtccaggc 3000
atggcctgtg gcccgagggc caaccaccga gcaggtcaca gcacagcagt gactcgggtga 3060
ggggag 3066

```

```

<210> 4861
<211> 1462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (145)...(809)
<223> similar to gi3647336 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4861
cggacgcgtg ggcgcagtg gagcggcaac atggcgcca ggtctaagcg gcgtgccgtg 60
gaaagtgggg ttccgcagcc gccgatccc ccagtcagc ggcagcagga agaggaaaaa 120
gaagtcgaaa atgaggatga agacgatgat gacagtgaca aggaaaagga tgaagaggac 180
gaggtcattg acgaggaagt gaatatgtga tttgaagctt attccctatc agataatgat 240
tatgacggaa ttaagaaatt actgcagcag ctttttctaa aggtcctgt gaacactgca 300
gaactaacag atctcttaat tcaacagaac catattggga gtgtgattaa gcaaacggat 360
gtttcagaag acagcaatga tgatatggat gaagatgagg tttttggttt cataagcctt 420
ttaaatTTAA ctgaaagaaa gggtaaccag tgtgttgaa aaattcaaga gttggttcta 480
cgcttctgtg agaagaactg tgaaaagagc atggttgaa agctggacaa gtttttaaat 540
gacaccacca agcctgtggg ctttctcta agtgaaagat tcattaatgt ccctccacag 600
atcgtctctg ccatgtacca gcagcttcag aaagaactgg cgggggcaca cagaaccaat 660

```

```

aagccatgtg ggaagtgcta cttttacctt ctgattagta agacatttgt ggaagcagga 720
aaaaacaatt ccaaaaaagaa acctagcaac aaaaagaaaag ctgcgtaaat gtttgcaaat 780
gcagagggaag aattttttcta tgaggagcag ggaaaacctg aggtgcttgg aggtccagac 840
acaagaagag gatttgaacc agttccgata cagcacaatg gtggttcacg ggggcaagtg 900
acagccctgg tttctctgaa ggctggacta attcaatcaa gatcaactct aagtgatttc 960
cagggaaacct tcatgactgt tggaattgct ctgtcataat aagtcaggga tatttaggag 1020
gctcatagtc tcctggaggg ataaaacatc tcggcaccta gtaatggtaa attagtcaat 1080
atgtgttagt ttcgtttgag atctcaaagt ttaggatttt ctgaagtctc agtgtctttc 1140
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tattttgtaa tgattaggat gaaaattttt atcgtaaat ataagccaaa atttgctaaa 1260
attaaagtca gtatacttga aacaagtttc tagtaagttc tctggggtaa gatactaatt 1320
actctgataa aggggctatc aaaaaaatcc agtaaatgtt tcataagaag agatcagttt 1380
aagagtcaaa caatttgctt tgctagtacc ttagctaaag aaaaaatact attaaagatg 1440
actatcacct ttaaaaaaaa aa 1462

```

```

<210> 4862
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (384)...(240)
<223> similar to gi4185939 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4862
cccacgcgtc cggcgagatg gagggctgaa tttttaaaga gaagaacagt gggatgttat 60
tttcaggcta atagaaatgg tgagatatatt aggtttgtaa ggagaaaaag aaaggtaatc 120
aggataagtg tgattagtta gatgggtctc cactgtcatc agggaggatt gatttacacc 180
cattgtgatt tgggtgtgcct gtttctgagg agtcggcaca gatctcacca catctgaagg 240
cagtctctga cacagacgtc tcttcactgt ggttttgatt gtcagtattc acaagaagct 300
tgagtcttct ggtgggcacc cagacagggg attgatgata tcctgggtgaa acacaagcat 360
atcctcttcc ccacgttaag tagaataaga gacaatatat aaagggtttg ggaaatcctg 420
taaggcagta atcacagcaa ttaactccgc attttgaaga gaactcgtgc c 471

```

```

<210> 4863
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (458)...(196)
<223> similar to gil45458 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

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<210> 4864

<212> DNA

<220>

<221> misc feature

$\langle 222 \rangle$ (57) $\bar{\dots}$ (705)

<210> 4865

<211> 1214

<212> DNA

<213> Homo sapiens

<210> 4865

<211> 1214

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(1215)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (938)...(102)
<223> similar to gi5669015 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4865
ttttttctta aggaacttat aacttattat gggatccagt cctaaagtag attagaccga      60
tgtagaattc tgtctggaga cgttctcccc ttcaattcaa tgggaaggct cttttctggc      120
atgaactctc cgatgtctaa tgagctctga gcaccatcca taagctttcc cacattcttt      180
acataaaaaa ggtttctctc cactgtgaat tctccgatgc tgacttagat atgagctttg      240
actaaaggcc ttccacact cattacactc atagggcttc tctcctgagt gaatcctctg      300
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tttctctcct gtatgaattc tctgatgctg accgagggtt gagctctgtt tgaaagtttt      420
cccacagtca ctacacttat aggggtttctc tccagaatga actctctggg ggacaacaag      480
atgtgagtta taaatgaagg ttttaccaca ttactacat tcatggctct tcttccctgt      540
gggaatttcc ttatggatga caaccatctg cctgaaactt tcctcctggg cagggggacca      600
cctcagtctc tccgcttttg gatttctctg ctgcagttct aagggtaccct cagaggtagc      660
ttcaaagtga gaggtgtcag tagcaagttt ttctgagaac acctgtgatt ccacttcagt      720
aatgggtggt tgtggcaatg atcctttgtc cttgggctct gggccatctt ctgtaacaac      780
tgacagaaaa tgtaaatata cctgttcact ctttgggaaa ggctgggtct ccttaggctg      840
gagctggatg ctcagtgtct cctgggctgc tcccagagat tccttcttct cccatggctc      900
ttcctgtgca ggtccatgtg cagggcctgg gacaagactg tcctctcttc tttgggtcca      960
tcatcatcat ctctctctgt ccctgtgtac cctgaagggc cagagtttca gctgctgtta     1020
gtgatacagc catcctagtc tgcactagct ctgcagaagg ctcataccag ctggaatctt     1080
gcaagggcc cctcacagga ccaggaggtt ccatcggggc gctgccgcga ctgcgcgccg     1140
ntcgcgtggg tctacacgcg aatttcgatc cgggtacagcg ggcgtcgatn nnnnnnnnnn     1200
nnncccaat ccca                                     1214

```

```

<210> 4866
<211> 779
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (38)...(421)
<223> similar to gi5911924 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4866
atagtagacc ctcgtagacg tctagtcagt gcggtggaat tcccagggtca attcagagac      60

```

```

ccaactgaag cagcacatga gcagcaggag gcacaaagac cgcctggccg ggaagacccc 120
caagccctcc agccagcaca gcaagctgca gaagcacgca gcgctggctg tgagtatcct 180
caagtctaaa ctggccttgc agaagcaact caccaagacg ttggcagccc gcttcctgcc 240
cagcccgtc cccaccgcag ccaactgccat ctgtgctctg ccaggggccc tggccctccg 300
ccctgccctt acaagaggca ctaccctctt tccggctccc atcctgggccc cagctctggt 360
tcgcacccca gcaggagctg tccgccctgc cacaggacct atcgtccttg ccccttatta 420
gccctcatgg ggaggccaga gctgatttcc caatagccac tccttgtctc ctctgtcct 480
gagacacctt ggtttcctac atgccacagg gactgtgaac agcttcaggg gtcctgcccg 540
atccagaaag agctgggcta gttttaaggg cagctgcctt ccaaggactg tccccaccct 600
cctttcgcag gccttcagg gtttaacctt ggcttgctg gcatttccca ccctgacaga 660
cccaaagat ctatgcaaaa tctcagcccc agccatgtgg gtgctttcac ttttccttcc 720
acccaaggac ccacatgggc cagattctag ggaatcttta ggtttttaca aggccatcc 779

```

```

<210> 4867
<211> 3041
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(3042)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2998)...(2588)
<223> similar to gi34765 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4867
tttttttttt ttaaagttca ttggttttta gtacattctc aaaatcgtgc acaatcaccc 60
actaatttca gaacattttc atcaccgcga aaagaaaccc caaacctta gtagtcatgc 120
ctcatctctc acagcctcca ggccctggca aacgctaata tatattccac tctatatagg 180
attcggtccc attttaggac atggcatttc aatgcaagtc aggacaatat gtggggcttt 240
tgcaacctgg cttctttcac tttaggcaag ttttcaaggc tcatccatgt tgtggcatgt 300
gtgagtactt catttccttt taagagtcta ataatgggtcc attgctgggg acagaccaca 360
ttttatttcc ccattcatca gttgggtaga catttggggg tggttccact ttttggctat 420
tacaataaat ggtggccatg aacattgggtg tacaagtttt tgtgtgtatg tacgttttca 480
tttctcttgg gtaaatacct aggagtggca ttccctgggtc atatgggtcac tctacgttta 540
actttttgag gtactgcaa actgtttttc aaagcagggtg caccatttac attcccacca 600
acaatttaaa tttctaccag tttctctaca tcctcaccga cactcgttct tgtccatctt 660
tttattgtag ccaccttagt gattgtaaac tggaaatctca ttgtgatttt gacttgcat 720
tcctaatga ataataatgt tgagtatttt ttcattgtgt tagtagccat ttgcatact 780
tctttggaga aatgtctatt caaacggtta gccatttttt taaattgatt tatttttctc 840
cttattgttg tgttataaga gttattttata tattccagat acaagccct tatcatatat 900
atgactcgca aatattttct cccattctgc aggttatctt ttcaccttct tgatagggtc 960
ttttcaatca caaaagcttc aaatcttgat taagtccaat ttacctattt ttccattggg 1020
tgcttggtgc tttgggtatca tatctaagaa accactgcct aattcaagggt tacaagatc 1080
tatgcctatg tttctttcta agattttata gtttcagctc ttatatttag atcttgatg 1140
cgttttgagt tgatttttgc acatagtgtg agtaaagggtc caacctcatt cttttgcact 1200

```

```

tgcataatcat tggctcgggtg ccatttgttg aaaagaccct cccttctcta ttgaattgtc 1260
ttggggaccct ggtcaaagat cagtggaccg taagtataag tgttcatatc tgtactcttt 1320
attctgctcc gtatgtctat ccttaaacca gtaacacact gagctgatta ccctttaccg 1380
taaattatga aatccaggaa gtgtgaatcc caccaacttt gttctttttc aaggcttatt 1440
tggatattct ggggtcccttg catttcttta tgaatttttg gactagctta tcaatttctg 1500
taaaaaagcc agctatgatt ttcataagga ttgcaactgaa tctgcatgtc agttaggata 1560
gtattgccat cttacaata ctaagtctga tccatgaaca caggatgtct ttccatttat 1620
ttaagccttc ttttaatttct ttccaatttt gtagttttca gtcttgcaact tgttttggtta 1680
agttgattcc tattttattc tttctgatgg tattataaat ggaattattt aacttcgttt 1740
tcatattgtt tgttgctagt ataaagaaat acaattcatt tttgtatatt gatcttgat 1800
cttgaaaacc ttgcggaact tgcttattag ttctaatagc tgtgtgcgtg tgtgtgtgtg 1860
tgtgtgtgtg tgagttcctt aggattttct atatacaaaa ctgtgtcatc tgcaaatagt 1920
tttacttctt cttttcctat ctggatacat ttatttcttt ttctttccca aatgcttctt 1980
aaacattagc ttcttaaaaa tttttaaccc aagttctaata aggtccactg cgccagatgg 2040
tcttacaagg taatccccct tctcttaggg ctaccctctg acaagctggg cccaaggac 2100
cccagcattt gttcgcttaa agggcaatac actttgaggt caggaggatc ttagcaccac 2160
ccttcccatc tgaggtccca accccactgc ttaccccaag tccagaacac tggacttcct 2220
gacccaattg gtcaccaatc ctatatattc cgcttttccc aatatcccag aatgaagaag 2280
taaaaaatata ctggagtga attacaagtc caggagaaaa aacaagccac tactgcccc 2340
gggcagcagt ggggttcaggg tggtagaagt acgtgtagga ggccaggggtg ttgtctgatg 2400
gctgagtcct ctatcatctt ccatcatgga ggccactctc caccctactg aagccacccc 2460
aaggagggga gggatacaaa ctgataggta ccttatacac aaacatacgc catcacctag 2520
gagcagagca cttatgccag cacagcctga gcctcaggct gcagccctgg ccctggctgg 2580
tgggtcacgc cgtggatggc tgggagcagc tcctctggct ggagctgcga tggctcagga 2640
caaaggagga cgagttgctc tttttgctgg cactcgtctc tcccaggcgt ctgcccttca 2700
ggtagctggc ggagcagcac aggaagcgt gcacgagttc gtggaagagg tggcccgtga 2760
acagcatgta gatccagggg ttgcagcagc tgttgaggct ggccaggagc atgacgatga 2820
tgaaggccga ggcttccttg ggcgcggttg catcccagac gctccacatc tgcacgaaga 2880
agaaaggcgt ccagcacacg atgaaggcca gcacgatgat gaaagtcac ttgaccgtgc 2940
ggatcttggc cttggagatg agcttgacgc tgctgacac cgccagggcc acgcgccgaa 3000
ttccaccgca ctgactatgg tctcgatcct aaangngctc g 3041

```

<210> 4868

<211> 935

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(936)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (3)...(122)

<223> similar to gil83443 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4868

gcggcagcag cctggggggc tctgactctc ccgtcttcga ggccgggagtt tttgcaccac 60

```

cccagcccgt ggcagcccc cggcgactcc ccattcttcaa tcgcatctct gtttctgagt 120
gacaaagtga ctgcccggtc agatcagctg gatctcagcg gggagccacg tctcttgac 180
tgtggtctct gcatggaccc cagggctgtg gggacttggg ggacagtaat caagtaatcc 240
ccttttccag aatgcattaa cccactcccc tgacctcacg ctggggcagg tccccagtg 300
tgcaagctca gtattcatga tgggtggggga tggagtgtct tccgagggtc ttgggggaaa 360
aaaaattgta gcatatttaa gggaggcaat gaacctctc cccacacctc tccctgcccc 420
aatctgtctc ctagaatctt atgtgctgtg aataataggc ctctactgcc cctccagttt 480
ttatagacct gaggttccag tgtctcctgg taactggaac ctctcctgag ggggaatcct 540
ggtgctcaaa ttaccctcca aaagcaagta gccaaagccg ttgccaaacc ccaccataa 600
atcaatgggc cctttattta tgacgacttt atttattcta atatgatttt atagtattta 660
tatataattg gtcgtctgct tcccttgat ttttcttctc ttttttgtaa tattgaaaac 720
gacgatataa ttattataag tagactataa tatatttagt aatataatatt attaccttaa 780
aagtctattt ttgtgttttg ggcattttta aataaacaat ctgagtgttn nnnnnnnnnn 840
nnnggggcgg ccgtttttaa ggatccttcg gggggcccaa gttaacgcgg gcatgcaacg 900
taatagtttt ttccttatag ggaggcgaat aaaaa 935

```

```

<210> 4869
<211> 926
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(927)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (887)...(600)
<223> similar to gi3789797 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4869
tttttttttt ttaaccccag aaatgtgttt attaagttgg aactcgtatt gctgtgtggg 60
gtcccagtg acgcgtgtgc acccgctctac aagatccagg taaagatggc acacggcaga 120
cgacgacagg aaggacacct gctccccacc ctccccggga ccccgccatg tgcaaaattc 180
gagctggggg ctgcagctgc ttggagagac ccagggcctc ttgctccaca gcctgcaagg 240
tttgagcagg gcaacggccc tggggcggtg agggccccgc ctgggtcact ccccgcgccc 300
cccatgcagg cagtggaggg gaggacacgc aggaggacca gacgctaaag gtgtaaacgg 360
ggcagccgtg gcactcctca cctctcaata agataaataa ctaaataaat aaacaactaa 420
ataaagacat gaaggaatgg atgcagagac gtgaacggat ggcgaggac gtccctgggtg 480
ggggccacgg tccctttaag gcatgtggga ggctgcaggc ctctgggtgg aggtgggtca 540
gaggctgggt gaggacacgg acagcgctcg ggaggatggc ggcgggaaat tgagcagctc 600
cagcaccgcc acaccacac tgctgcgccg ggtgaacatg caggatgcgg ccaccactt 660
gttggtcctc gggttgtact tctcgatgga gttgaggctg gagctaccgt cgttaccccc 720
cacggcgtag aaccatccgt ccatggccac caggatcatg gtgctcctgc ggatattcat 780
gggcgccacg ctttccagg ctccagcctt tggactgtat ctctctaccg agttgaggca 840
gctggtgccg tcgttgcccc ctgccacgta cagggcagaa ttccnccgga ctgtacaatg 900
gtctcaaaac ttttttctt tatttc 926

```

<210> 4870
 <211> 3992
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3994)...(686)
 <223> similar to gi4589642 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4870

tttttttttt	ttctggagat	ttttttttta	atccttttta	gttcaacata	aaatgagaaa	60
gaaaaaata	tttctgacca	ttttccaaag	accagaaata	ggaaagtatg	ttcatataca	120
ttcaacgtat	actgcacata	ttggttacta	caatacaaag	caatgagttt	ttttaaagtg	180
tagtttgcaa	gatggcacgg	ttagtagggc	tacttggtt	tcatctgttg	ttgctggagg	240
gtgcagtctg	ctctcccata	catacagtac	catgtaaaca	catcaggctg	agcgcgtggt	300
ggtggtaggg	caggttgggg	gcataagagt	tgggaaccaa	gcgcagataa	gtcaacagct	360
ttttagggtt	ttcttggggg	aaggccccct	ttctggttga	gtaggttggg	tgacccccac	420
ccaagtggga	gggggagact	gggggaccat	gggaaacatg	ggacagctcc	cacgaagggg	480
ctccttgca	tgcagaattc	cactcaaggg	atcttgggtc	caggagccga	gctgccagta	540
tcagtggaga	aggacaaggt	gcatggggat	cccgccagca	acatcaggat	ggccatgccg	600
ggcaccgcgt	ttcctctgtg	caaattcagg	atgaaagact	aggaggggac	tagaggacct	660
cttgctctct	ctctgtttct	tgttacacgc	ctgcctgctc	catgctgaag	gagacttcgg	720
ggtgcttgta	gctgagcaga	atgtctgtaa	tacacgtaga	tggatagcaa	gaggagttta	780
aatgctggct	gccatcactc	aggtctgggt	gctcatgacc	tcccaggctt	gccccacatt	840
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tatccagctg	tacataagca	tcgtcgtgt	tctggatcgt	gtggtgataa	gagtcagcat	1020
tttgataaga	taaagcctgg	cgctctgtca	tgtctgttcc	cccaaggctg	ggagccagac	1080
tccccgcata	cccttggttc	atgtgcctga	acagttcctg	gtattcttgc	tgttgctgct	1140
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ggggcagccg	gatgtccgag	tggccgggtga	gcgaatgccg	gggagaaagc	agtccttgaa	1260
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gctgtagtgc	cgacgtggta	tagtgtggcg	gctgctgatg	tgcactggga	gggaaggtgg	1380
ggaattgggtc	aagtggaggg	actttcaggg	cttgggttgg	agagaccccc	actcctgttg	1440
aagggtctgta	gctgctgggg	gaacccccgg	gctgggtccga	aaacagatgg	gggtgtaaat	1500
gcgcctgggtc	gtagttagca	ggggagaacc	gattcacgtt	caagctgtga	gcctctgcac	1560
tgtcagcact	cagctgcttg	gacaagggac	ggtgcccata	gctgaggggtg	gccatcagggt	1620
tggtagcgtg	ctgcatctgc	atctgaccag	cactggggct	gatggagatg	ccgcgcccac	1680
tggagcctgc	agctgtgcct	ggcatgtttg	tgagcatgtc	aacaggctct	tggacttgga	1740
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gaaactggga	agaagatgca	gccccgtgag	gctggatcat	ggcactgctc	atggggggag	1920
gactattact	gggctgcctg	aagagatggg	tgttggggtg	gttggggggg	gggcttgaag	1980
gctgaatcct	taacctctgg	agctgatggg	taaggagggc	tggctgattt	tcacatgcag	2040
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tttgatgggtg	ctgctcctgc	tggataaaca	tatgctgctg	ctgggtcttc	tccaggggttc	2160
tttcatcaat	ctgccccccg	tacatcttct	gcagctgctc	acactcctgc	tgcagctggt	2220
tgatgctgct	gttggttccc	attttttcca	ggtgagcttt	gaaggcctgg	atgctcgcag	2280

ccccatctga	gaaccggcgc	acaggggaga	aacgctccgt	agggaggtgc	agagtgttgg	2340
agtccttgta	ggtagagctc	tgcacagctt	cctgggtctgg	ctccccgtct	gagctctcct	2400
cgtccacagg	ggtaactgct	ggcactgctg	gtgtcatggt	gacaagcgga	gaggggtcccc	2460
gtgggcgctt	cagcagctgc	tgggcatgca	gttggatggt	ggctcctcca	tctgatgccc	2520
tccggccaag	ggggcccatt	ccattcaaca	gctgtagcgt	ggcgggctgt	aggagagact	2580
gctccttgta	ctcaagttgc	ccggttggtt	gcaagttttg	cataggcaac	aggttgtgca	2640
tgaagttcac	attagggggc	acctgcagga	atggagcctg	ggggttgact	ccaggaaaagc	2700
caggtaggag	cttctgctga	tcttccataa	cttccgtgcg	tgggtcagcc	acacccactg	2760
tgtgcctcct	cattgacaaa	tagcgcacca	atgcttcagg	ggaaggctct	tcaccctcat	2820
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gcacctgggg	aacgctgatg	ttcatagcag	tacctgcctg	ctccgcctgc	agtgtctgtt	2940
ctttgtccag	tcccatgtcc	tccatggcca	agaggacatc	ctcattcagg	gggtccacct	3000
gtcttttctt	ctttagtgtg	tggcattcag	ctattaacct	gtcaaagttg	ggatcggcgt	3060
cccctagctt	catccacttg	tgcttgca	tctgctccat	ggagaggcgc	ttattgggat	3120
ctaacaccaa	catatggcgg	atcaaatgct	cacattctgt	ggacataaaa	aatgggatgc	3180
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catcatattc	ttttccttca	aagagttcag	gtgcagcata	gggagggctg	ccacaccagg	3360
tcttcagcag	ctgcccagga	gtgaagaggt	tactgaaccc	aaaatctgct	attttgatat	3420
tcagattggc	atccagaagt	aaattttcag	cttttaaatc	acgatgaaca	atgttccgac	3480
agtgaacaaa	atagacagct	gtgacgatct	gtttgaactt	ccgacgtgcc	tccttttctg	3540
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ccagataaat	catccgttct	gtctccataa	cctggtagag	cctgatgata	tgggggtggc	3660
aaagcatctt	cataatttga	acttcccggg	aaatcttctt	caagttttct	tcatccagct	3720
gggtcttatc	tatgatcttg	atagcaacct	tggccttggt	gacgaggtgc	gtggcccgc	3780
tgaccaccgc	gaagttgccc	ttgccgatgg	tgcggctgat	ctcgtagtag	ccgatacggg	3840
cgggcatggg	tccgcgggag	gccggggctg	ggggacgcgg	ctggccggcc	gcaggggaca	3900
cggcagcggg	ggcggctggg	gaccccggcg	cgggcggagg	cagcaggcgg	cccgcggggc	3960
cggctccccc	agtcccggcc	ccggcagccc	cg			3992

<210> 4871

<211> 883

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (16)...(563)

<223> similar to gi3335391 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4871

gcaattcgac	agcactttct	ccacttccgc	taccggctcc	caactgtctca	tgtggacacg	60
ctgggtatat	ttggtgacat	cctggtagag	gctgttggtg	tcctgaacat	caatccattt	120
gtggagggca	gcagagagta	cccagctgga	catcctttcc	tgctgatgag	ccccaggctg	180
gaggtgccct	gctcacatgc	tcttccccag	ggtctctcgc	ctgggcagggt	catcatagta	240
cggggactgg	tcttgcaaga	gccgaagcat	tttactgtga	gcctgaggga	ccaggetgcc	300
catgctcctg	tgacactcag	ggcctccttc	gcagacagaa	ctctggcctg	gatctcccgc	360
tgggggcaga	agaaactgat	ctcagccccc	ttcctctttt	acccccagag	attcttttag	420
gtgctgctcc	tgttccagga	gggagggctg	aagctggcgc	tcaatgggca	ggggctgggg	480

gccaccagca	tgaaccagca	ggccctggag	cagctgcggg	agctccggat	cagtgggaagt	540
gtccagctct	actgtgtcca	ctcctgagga	tggttccagg	gaaataccgc	cagaaaaaca	600
gaaggtcagc	ccactcccag	gggccccact	ctcctcccct	cattaaacca	tccacctgac	660
accagcacat	caggcctggg	tcacctctgg	ggtcacgaga	ctgagtctac	aggagctttg	720
ggcctgaggg	aaggcacgag	agtgcacagg	ttcctccaac	tctgcacttt	cctccaccag	780
gagcctggga	tatggctcca	tctgccttca	gggcctggac	tgcaactaca	gaggcaagtg	840
ttgtagacta	acaaagatac	tccaaaatac	aatggcttaa	aga		883

<210> 4872
 <211> 2480
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2481)...(385)
 <223> similar to gi5911953 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4872						
tttttttttt	ttctcacttg	gccgacttta	tttttcagga	aaaacagaaa	aacaaatgta	60
cctcttgggt	tggaaaggac	ccattgacaa	catggcacag	acgtgagcaa	taaatacgca	120
catacatcca	agtatgcggg	ggggcgctac	gtcctggaga	ccctgtgttc	gggcacctgt	180
ccctgtctct	gggtgcggcc	ctgccccctc	agaagcagg	cacctcacca	ggcccagatc	240
tgctcttcca	tcctagcctg	agagtggggc	ctagaggcac	cctcctagat	ggaactgcca	300
gccctggggg	ctgtggggcc	atggtagggc	ccttggcagt	cttgggaggt	gccaaggctg	360
ggtctggaca	ggaggaggca	acctcaggcc	cctggggccc	atctcaggct	ccagcaggtc	420
ctgccagtcc	taggatcccg	aacttggtgc	cctgtgagcc	ccctcccat	ggagagagca	480
gtgatgtcat	ctccccagc	tggtagggag	aggggggttc	tcatatgggg	ggtctgcagg	540
gttgagctga	gtgaagcctc	cccagcttcc	actgaccacc	ccccacttg	ggtgagggtc	600
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ccagccattc	cctctgcttt	agagataggc	ccggctcctg	tcgaggcccc	tcgaggcccc	780
tgggactcgg	cggggggcac	ctcagggtcg	ccactgcagc	ctgggtctgc	atgcgtggtc	840
tggggggcct	tctgtggttg	ctgacctctg	gccggggagt	ggggagacag	gcttggaggg	900
agccctgccc	caggacgaag	ctggaggggg	ggagcatgcc	tgacacacgg	ccatcccaag	960
accagctctg	gggggacaga	acatggccct	gtccttggtg	gccccaaag	gcgggtcaga	1020
gacacctttg	gggaggggtg	gggagacagc	agggtttcac	atttggcagg	gcagggcaga	1080
acgggaaggg	cttgggggag	aggatgcggg	agtctgacag	caccaggctc	gggccgacat	1140
gccgaaggcc	ccgtccggcc	tgcggcaggg	gcagaaggga	ggaagctgag	ggccatgggg	1200
gccagcccgg	gatggaagca	cgccctccca	ccacgggcag	cttggcctga	gcctgtcgcc	1260
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tgcacctctt	gaatgaggct	gaagaagtcc	tcgctcggca	tggtagggcc	ccggggcagt	1560
acgtcagggt	gtgggcagcg	ctggctcatc	atcctggagg	actggtactt	gatgagcatg	1620
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ctgtgggtga	ttcgagccc	cggcaggctg	cccacgctgg	cccgtgggtc	gtccagccgg	1740
cggctctggg	agctggcgat	gaggtcgaag	aattcctcgg	tctggggcga	ggccgtcatc	1800

gagggctggg	cgatcctgtc	ctccaggggtg	ggggcgggccg	tggcctcggc	agccccggcc	1860
tggccatcgt	ccaggggaca	acgctgggtcg	tccatgcggc	tgctctggaa	cttgggtcaac	1920
aggtcaaaga	agcactcctc	gtccgaagac	ggggccctcg	ggatgctcgt	gcgtggcacg	1980
tgcacccgga	cgtcggcgct	gtccagcggg	gagtgggtgc	cctcccgggg	cctcctctca	2040
gcgtccgggc	cttccctggta	cttccctgctc	ctcacgggga	ggggtagcga	gtccctgctg	2100
ggcccccgcc	agtccccctga	atggtgggtg	tctccattct	gctcccgcctc	cagggggagt	2160
ctcagcaggt	cccaggtctc	cgcgctcagc	ctctgcgtcc	tcttgggtct	ggccccctgg	2220
gcctcatagc	cggccaggtc	aggcttctct	gaggctgccg	ggctgggtcag	gcggccgagc	2280
accagctgca	gctgcgccac	gttcatgcgg	gccgtgagct	ccccatggcg	gtccccgatc	2340
tcttgggaga	tctgcaggtg	cttcttggcg	aaggtcaggg	cctgcgctgg	gcgccccatg	2400
gacacgtagg	catttcccag	gtccagcac	gcccggccct	cgccactct	gtcggccagc	2460
tcctgggcaa	tgagcaggtg					2480

<210> 4873
 <211> 947
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(948)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (559)...(410)
 <223> similar to gil89842 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4873						
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ttttgacaga	aagtatcaga	aatgcttctt	tcctgggaaa	aggaatataa	atgacagcaa	120
gacacatttt	agttgctact	aaagaacagc	attattttca	atcattttta	gtcgtcatt	180
taataagcaa	ggtataaaac	agattaaagg	tgggagcctg	caaaagggta	attaaaaaag	240
tgtttcctcc	ccgggaaaca	gactgtttg	gtctgatcaa	atgccgaagc	tgggatctga	300
ttctgggtgc	cgtctctcgc	tactggagtg	ctgaccagca	ggctgcccac	cacgaaaaga	360
ggttgcaagg	ccaggccccc	aggtgcgctg	ggatttctgg	ctggctctac	ttggggccag	420
agaagggggg	aaaggccttg	tcacagcctg	ccatgcatgc	ttcaatctct	tccacagtgc	480
ggggcacgca	ggtcagcagc	tctatgccgc	tgtcagtcac	cacgacgtcc	tcctcgatgc	540
ggacctgggt	caagccgaca	gacacacatt	atcatagagc	agcctcatgt	gccaggctag	600
agggccgggg	ccattccagg	cccacccac	catgggatgg	gagcagctga	cactccctgg	660
gagacgggtg	gcctccgggc	tccttcatgg	agccatctgc	ccatgtcacc	tgctcaccct	720
gtctttgcca	ggtggatggg	agcccctgga	gcgggcaggg	gttttgagg	atctctgtct	780
gttcctactg	aggggtgagg	ctccatcctg	tgacagacca	cacgaagggg	caggctaagc	840
ccacctcaag	ggaagatgtc	actagggcc	ctgtcttggg	actaaggagt	ctgcagctgc	900
gaattccncc	acagtgactg	aggtcatcaa	ttnnnnnnnn	ncgctct		947

<210> 4874
 <211> 2271
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (40)...(934)
 <223> similar to gi2407788 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4874

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gccttggtgtg	tcttcgatgc	acatgatggg	gaagtcaacg	ctgtgcagtt	cagtccaggt	120
tcccggttac	tggccactgg	aggcatggac	cgcagggtta	agctttggga	agtatttgga	180
gaaaaatgtg	agttcaaggg	ttccctatcc	ggcagtaatg	caggaattac	aagcattgaa	240
tttgatagtg	ctggatctta	cctcttagca	gcttcaaatg	attttgcaag	ccgaatctgg	300
actgtggatg	attatcgatt	acggcacaca	ctcacgggac	acagtgggaa	agtgtgtgtct	360
gctaagttcc	tgctggacaa	tgcgcggtg	gtctcaggaa	gtcacgaccg	gactctcaaa	420
ctctgggatc	tacgcagcaa	agtctgcata	aagacagtgt	ttgcaggatc	cagttgcaat	480
gatattgtct	gcacagagca	atgtgtaatg	agtggacatt	ttgacaagaa	aattcgtttc	540
tgggacattc	gatcagagag	catagtctga	gagatggagc	tggtgggaaa	gattactgcc	600
ctggacttaa	acccagaaaag	gactgagctc	ctgagctgct	cccgtgatga	cttgctaaaa	660
gttattgatc	tccgaacaaa	tgctatcaag	cagacattca	gtgcacctgg	gttcaagtgc	720
ggctctgact	ggaccagagt	tgtcttcagc	cctgatggca	gttacgtggc	ggcaggctct	780
gctgagggct	ctctgtatat	ctggagtgtg	ctcacaggga	aagtggaaaa	ggttctttca	840
aagcagcaca	gctcatccat	caatgcggtg	gcgtggtcgc	cctctggctc	gcacgttgtc	900
agtgtggaca	aaggatgcaa	agctgtgctg	tgggcacagt	actgacgggg	ctctcagggc	960
tgggaggacc	ccagtgccct	cctcagaaga	agcacatggg	ctcctgcagc	cctgtcctgg	1020
cagggtgatgt	gctgggtata	gcatggacct	cccagagaag	ctcaagctat	gtggcactgt	1080
agctttgccg	tgaatgggat	ttctgaagat	ttgactgagg	tctctcttgg	cctggaagaa	1140
taacactgaa	aaaacctgac	gctgcggtca	cttagcagag	gctcaggttc	ttgccttggg	1200
aaacactact	agctctgacc	ttccatacct	cacttggggg	agcacagggc	cccgtgggc	1260
ctcctcacca	acggcagtg	caaaatcagc	ccccacatca	aggtggtgtt	ctctgtgctt	1320
tctctcgccc	ttccaaagtc	ggttctggcc	taacgcagtgt	cccaacacct	tgggttcatt	1380
tgccccgtga	actcacttta	agcattggat	taacggaac	tcccgaacta	cagacccctc	1440
cctggtgggt	tgcatgaatg	tgtctcatta	ctgctgaaat	gtcctcacat	ctctttcact	1500
gttcttcaga	gctttctggc	tctctttccc	ccacaaaatt	cgacatat	aaaaatctcc	1560
gtgtggcttt	aaaaaatggt	tttttgtttt	tttgtttttt	tgaggtggga	gaggatgtgt	1620
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cctccaacat	acttgtctga	agggtggtgat	tctggccatg	gcccctctgc	caagcctgtg	1800
tgcgatgccc	ttggtgcttt	agtgaagaa	gcctaggctc	agaagcacag	cagcgccatc	1860
tttccgtttc	aggggttgtg	atgaaggcca	aggaaaaaca	tttatcttta	ctattttacc	1920
tacgtataaa	gttttagttc	attgggtgtg	cgaaacaccc	tttttatcac	ttttaatttt	1980
gcactttatt	ttttttcttc	catgcttgtt	ctctggacat	ttggggatgt	gagtgttaga	2040
gctggtgaga	gaggagtcat	gcggccttcc	caccgatgg	cctggcctcc	acctgccctc	2100
tcttccttgc	ctgatcaccg	ctttccaatt	tgcccttcag	agaacttaag	tcaaggagag	2160
ttgaaattca	caggccagg	cacatctttt	atttatttca	ttatgttggc	caacagaact	2220
tgattgtaaa	taataataaa	gaaatctgtt	atatactttt	caaaaaaaaa	a	2271

<210> 4875
 <211> 1857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1858)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1189)...(754)
 <223> similar to gi3080544 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4875
 tttttttttt ttcttgtggc cattcccagg tttaattaca aaccgatccg aacatcccat 60
 ctgggtcgac agctgggagg gcaggattgg ggggaagctg ctgggcgag cccaggccag 120
 gcaaccacgt ccttcccctg ctcccagggt gagtaggggc ctcacgactg cctcgatata 180
 cactgtcttg gagcagcctg gctaccccgat gatcccagggt gacctcaagg ctgcctgcac 240
 ttcagcgcca gcatgtatcc tggcctgaga accccaaagc accttaagcg tccccctca 300
 aagacaactg tgcacccagt cctcagggtg gaagaggaag cccagccagg cccggaatcc 360
 gcctcctccc cagggctcctg ggagctctga ctctccgggg cgtagaccg aaccagccag 420
 gcgagagggg gacccacggg ccagggctcc gaggcagcgg ctgcttcttg atatatattc 480
 tttaaaggcg aaatgggttc gtctttggta tgaacacct cactccaggc aaaggagggg 540
 gtgggcaggg gccccggcag gaggaggctc tgcccagccc ggggcccagct ggaggaagga 600
 ccatgccaga ggctcatgag gaggaaggag aggcagcggg ggttcggcct gaccaggatc 660
 caggaggagg gctgagagcc ccaaggccat gacaggcagg agccggggct gagaacaggc 720
 aggagccagg gctgagaacg gtcacctggc tcagggtctc cgtgagacca cgccacgcag 780
 gtgcagctca ctctcggcgg ccacgatggg ctgcccgttc tgcagggtgg ggtcgatcag 840
 gtggctgatg ctctcaaaac gcacgtcctt cgtccgtacc acgccctcgg ggtccacgag 900
 cagcaggtgc ttgggctgcc cggcgtgcat gccgggtgagg acatactgcc cgggggttgg 960
 gacgtgtct cgcacaagga agtcccgcgt agctcgaagc atcctctctg ccgcccgcg 1020
 gctcatccgg ccgtggtacc agggctcctg acgcagctgt tcctccgtgg gggccacagg 1080
 ggccccggcg gtaggggggc tgggccaactg gtcctccaag ggaagagggg ctgctgtcac 1140
 gcctgccgcc actgagcact catgcaactt cagggcattc tcaaagggtc ctgcaggcca 1200
 gggacaggag tgctgggcag gcagggggca agcagctact cctgccggga ccagagctgg 1260
 gagaaacagg ttccccaggg agtccctcat gcacccgtcg gcctgcgctg accgagcacc 1320
 cacagtgtat cagactcgca ctctgcccag ccccgctgct gcgggtgggt cacatgtgta 1380
 gcaacctgga ctccccaggg tgggttttct aggcacgtac taagcatgta caaagggtaa 1440
 cagcagctct ttctttcaga ggttaactcc tatttctttt tctgccttg tcagggtggg 1500
 ttcttccca aagcgtacgc ctctcgtttc cttgtctggt cttactgcat tggccgcggg 1560
 gcctccaatg tgccctaaat actcaagacg acagccggca cccctctctt gccctagcg 1620
 ttaaaatggt ctgccctggg ttttctaacg gcttccaaca atgccaacat ccgacaggcc 1680
 actctaaggc tctcctctga gtgtcagtc cctcattgtc aaacaggggt gggcgtgtcc 1740
 ccaggcagaa agcagcatgg ttcagaccaa acagagctgg agccccagcc ctgacggaga 1800
 tgcattctacc cgtgcctggg gcggcctgga attccnccgc ntggcgtatg ctatcaa 1857

<210> 4876
 <211> 2357
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(823)
 <223> similar to gi971461 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4876

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ttttgagctc	tccttcaggg	tgtggatgtg	tggtggcagt	ctggagatcg	tcccctgcag	180
ccgggtgggc	catgtcttca	ggaaacggca	cccctacaac	ttccctgagg	gtaatgccct	240
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agagcagagg	aagaagatga	actgcaagtc	cttccgctgg	tacctggaga	acgtctaccc	420
agagctcacg	gtccccgtga	aggaagcact	ccccggcatc	attaagcagg	gggtgaactg	480
cttagaatct	cagggccaga	acacagctgg	tgacttcctg	cttggaatgg	ggatctgcag	540
agggctctgc	aagaacccgc	agcccgccca	ggcatggctg	ttcagtgacc	acctcatcca	600
gcagcagggg	aagtgcctgg	ctgccacctc	caccttaatg	tcctcccctg	gatccccagt	660
catactgcag	atgtgcaacc	ctagagaagg	caagcagaaa	tggaggagaa	aaggatcttt	720
catccagcat	tcagtcagtg	gcctctgcct	ggagacaaag	cctgcccagc	tggtgaccag	780
caagtgtcag	gctgacgccc	aggcccagca	gtggcagctg	ttgccacaca	catgacggta	840
gccctggggc	ctcctgtacc	ttttgcatga	gacttcggga	ccggaagggg	gttaggggtg	900
gggagtgcaa	agtgggctgt	tcccatctcc	tcacatttct	gccaggacca	tcagcaaata	960
cccacatga	cacacgttct	ccaaagcttg	ttctaggagg	gcgcaggcgg	gcacgccccg	1020
atgccctcag	tgtgtcctg	gccttgcccc	gggagaggag	atggtcaggg	tgctggactg	1080
ttgctgggta	gagactgagt	aggtgcccc	ggccctttgt	cctctccctt	ggcgcttctt	1140
ggggctggga	caatagtgtg	tggctctctc	cttggtgccc	ggagaaagca	aggacagaag	1200
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aattgggcag	catggatgga	gaggctgaag	gctgggaaga	gggaagggga	gaggggcagc	1320
ctgcaggggt	agctgaagaa	caggaaggag	gtgagaagcc	cggtgacctg	tcagagatgc	1380
caagcccagg	gtggcactgg	gttgggtggg	gacggatggt	gtcttggcag	caaaggatgg	1440
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accaggaca	cagtcccttc	cacactttac	cagccccagg	gtctgagccc	gacgctgcct	1560
cttccggtcc	tgtgcctgtg	ggtgcccaca	ttcttagcaa	gaggctgcag	agggttcttt	1620
aggggaagat	tcgggcgtag	tttattaaac	agactccact	tctatttggc	catgtgtcag	1680
gctgagacct	ctctctcggg	cattaatgaa	cagctagtgc	cctgtccctg	ccgccaggac	1740
ccactgaaag	gacgggtagc	cacacacatc	cctgagtagt	cccagcctca	tttgtcattt	1800
ttgactcctg	ctttctcaaa	ggtttttgcc	tctgtcaata	cagcatcatg	ggtggttggg	1860
aagaagggaa	cttcccttct	ggaccaagaa	cagcccctaa	gtcattaggg	ttcaacctca	1920
cccttattcc	cctccccgct	acaggagccc	ctaagtcatt	agggctcaac	ctcaccctta	1980
ttccctcccc	tactacagga	gggattttct	tgaagggtca	gctattgcac	tgtgtgggga	2040
ggctggctgt	ggctcctgtt	tgtgaagaga	actcccagtt	ccttttcaca	gccgctgaga	2100
acacatccac	acatctaccc	cacggccttg	tcttggaac	tgctcctgct	atccccacac	2160
cctgcttctc	cacccactg	gctcttgggg	caaagtactg	ttgggtacca	gggaccctgg	2220
ggggctcttc	cctaacaaag	gcaggaccag	cctgggggca	gatattacct	taccacaggg	2280
agccccctgt	tttttcataa	gggccaaagga	ttccacatta	cccattagga	ttttcatggg	2340
attttaggag	ggttttta					2357

<210> 4877
 <211> 1770
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1771)...(874)
 <223> similar to gi4581563 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4877

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cttaagaatt	cattttacct	gctgggtttcc	acaagctagt	tatgtgaacc	atgttttaca	120
aacaataata	atattacaac	aataattatg	gagaagttaa	ttggataata	gagcttttcc	180
acaattcaag	tagaaacaca	gaagaaactg	gataatttta	agtcctctaa	ctcaagacat	240
gctgggtgcaa	gcctggccctg	cgaggcccca	ttgcctgcgt	ctcccggggg	ccttaggaaa	300
gactgacagt	tcgcgtgcct	ctgggggaaat	atctacgcta	cagaaaatct	ttaggtgttc	360
agtagttctc	tagagatttt	aagtgggtatc	acaacagccc	atccggagaa	cttattttcta	420
aataatttga	aaaacaaaca	agaaaccatt	aggggttttca	tgcagagcag	cctccagagc	480
aacatttctc	gagaggaaga	gtcgaccaga	gtgagctctc	cgcagggcct	gctctgccct	540
cccctgcccc	gctctgccct	tcgcagggcc	tgctgtgccc	tcccctgccc	tgctctgccc	600
tccgccgccc	tcgacagact	ctcccaggac	tatgggaacc	caagctctct	cctctgggcc	660
agacaaacaa	tgctcaggcc	atgcacctcc	tcagaaaagg	gggcatgggt	tgccacatct	720
tcagagagct	ctgagtaaac	tccctgggcc	cagggatgca	ggggagcctg	gttggtgtctg	780
cagagccagc	ctcatgttcc	cctaaacatc	ctttctaaac	tagagatttc	tagactaaga	840
caaatcaac	atgcattcac	actttatact	ctactccatt	ttcaatccct	tagattttaa	900
ctcagtgtgg	agaatctgtg	ataagcacct	tccaaattcc	tccaggatca	tctgctctgc	960
caggcacttg	gagcagtgtt	ctttctcggc	ctcttctccc	tgagcaagca	ggcaggcgca	1020
tgtggcctcc	accacctccc	aggagatgca	tgaggaaggc	cgcctatcgt	gactgaatct	1080
tggaagtcct	gaaaatttcg	ttggtggcag	gtaatggctg	ccttccaaac	ctccagtctg	1140
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accaatgcat	ttgcaaatag	aagaacacat	aatttgggcc	tcatagcact	cgcagtaatt	1260
cttcaggcag	cctgacctcc	tgcaagtgtg	ccctttgttg	tgctggggct	tgacattgcc	1320
caattggccc	ttcccaattt	ttggctggaa	agcttctgga	tttctacca	gacatgcctt	1380
aatggcttta	aaccgttcaa	tatcatgatg	caagttgttg	caacaattat	tacaattgca	1440
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tccctcaagt	tggtgtgtaa	tgagatttaa	ttttgttgat	gctggcaaaa	atctccctac	1620
taaagcagtc	attggtttag	ggacatctga	ctgtagataa	ttattttgat	cttgatactg	1680
aggaaccaa	tggagtgcct	ttagttctct	tggtctagaa	ttgtctatac	atagcatttg	1740
tgtgccccct	ttcaattggc	atatcaccat				1770

<210> 4878
 <211> 1345
 <212> DNA

